PATENT ABSTRACTS OF JAPAN
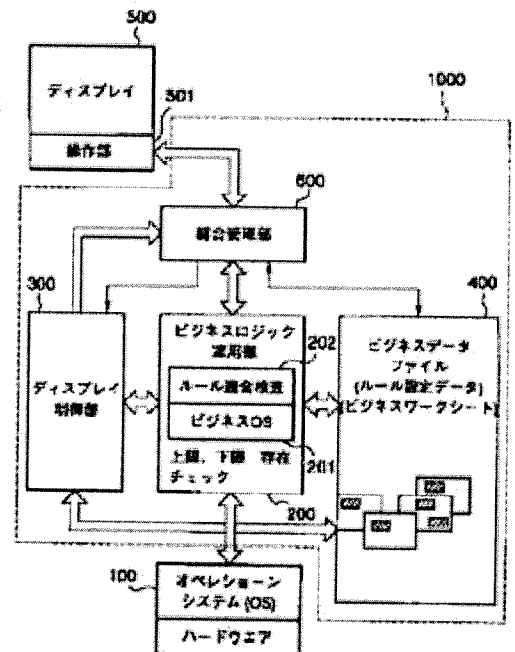
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(54) RECORDING MEDIUM FOR AUTOMATIC ADAPTATION AND CONSTRUCTION OF SOFTWARE

(57)Abstract:

PROBLEM TO BE SOLVED: To automatically adapt and construct software for processing data by understanding a meaning of data input without awaking to description of a program language (COBOL, FORTRAN, etc.), by simply inputting the data.

SOLUTION: Various kinds of business work sheets formed by making business logic terms correspond to places of data input are held in a business data file 400 and when the data is inputted in the place of data input, the data is stored as rule setting data. The software to be used is determined according to the business logic terms corresponding to adaptation data when adaptation data corresponding to the rule setting data is inputted by a business logic adaptation part 200.

* NOTICES *

1.This document has been translated by computer. So the translation may not reflect the original precisely.
2.**** shows the word which can not be translated.
3.In the drawings, any words are not translated.

CLAIMS

[Claim(s)]

[Claim 1]A work sheet file part which saved [various] business work sheets including at least one business logic term which expresses a meaning on business with the minimum unit, Business work sheets corresponding to user choice information are displayed on a display among the above-mentioned business work sheets, When data is inputted into said data input part as software for rule setting out which shows a data input part of the business work sheets concerned with an applicable business logic term, A business data file part which stores the data concerned as rule setting data, When said application data is inputted as the 1st use software for inputting application data corresponding to said rule setting data stored in said business data file, Software used according to said business logic term corresponding to this application data is determined, A recording medium which recorded the 2nd use software for applying business logic in order for this software to perform data processing using said application data and said rule setting data corresponding to this and to obtain that result.

[Claim 2]A recording medium for the software automatic application according to claim 1, wherein said 2nd use software is software which performs maximum check processing using the above-mentioned application data and rule setting data corresponding to this, and construction.

[Claim 3]A recording medium for the software automatic application according to claim 1, wherein said 2nd use software is software which performs minimum check processing using the above-mentioned application data and rule setting data corresponding to this, and construction.

[Claim 4]A recording medium for the software automatic application according to claim 1, wherein said 2nd use software is software which performs existence check processing using the above-mentioned application data and rule setting data corresponding to this, and construction.

[Claim 5]A recording medium for the software automatic application according to claim 1, wherein said 2nd use software is software which performs unit check processing using the above-mentioned application data and rule setting data corresponding to this, and construction.

[Claim 6]A recording medium for the software automatic application according to claim 1, wherein said 2nd use software is software which performs editing processing using the above-mentioned application data and rule setting data corresponding to this, and construction.

[Claim 7]A recording medium for the software automatic application according to claim 1, wherein said 2nd use software is software which performs total comparison processing using the above-mentioned application

data and rule setting data corresponding to this, and construction.

[Claim 8]A recording medium for the software automatic application according to claim 1 currently preparing as said business logic term by data for a display corresponding to a language of two or more countries, and construction.

[Claim 9]A recording medium for the software automatic application according to claim 1 characterized by including software for transmit/receive control as software for displaying data on said display, and construction.

[Claim 10]A recording medium for the software automatic application according to claim 1, wherein a procedure means to perform a security check which requires a user's keystroke of it when inputting data into said software for rule setting out from means used is formed, and construction.

[Claim 11]A recording medium for the automatic application according to claim 1, wherein software for rule setting out which displays said worksheet on said display is provided with a manipulation routine on which a worksheet of two or more kinds is displayed simultaneously, and construction.

[Claim 12]a case where data is inputted into a data input part of said two or more kinds of worksheet -- an order of the data processing -- beforehand -- texture ******** -- a recording medium of an according to claim 11 software automatic application [which is characterized by things], and construction field sake.

[Claim 13]A recording medium for automatic application of the software according to claim 1, wherein a rule-setting-data input part for inputting an application day into said worksheet as a business logic term which sets up a business rule exists, and construction.

[Claim 14]A recording medium for automatic application of the software according to claim 13, wherein an application opening day and an application end date exist and each data input part exists as said application day, and construction.

[Claim 15]A recording medium for automatic application of the software according to claim 13 currently programming so that the manipulation routine which requires an input of a cryptographic key under environment of said software for rule setting out accompanies and operates, in order to input said application day, and construction.

[Translation done.]

DETAILED DESCRIPTION

[Detailed Description of the Invention]
[0001]
[Field of the Invention]If data is inputted simply, without being conscious of description of the program language (COBOL, FORTRAN, etc.) which met the flow chart currently carried out from the former when a businessman creates software, this invention, It is related with the device and software recording medium which understand the meaning of this data input. And after understanding the meaning of the inputted data, according to the meaning, the software for processing input data is chosen automatically, and it is related with the recording medium for the automatic application of applicable software, and construction.
[0002]
[Description of the Prior Art]In creating software conventionally, a flow chart designs the routine which applies the software concerned, program language is described along with this flow chart, and it is coding program language to the machine language after that.
[0003]however, when it seems that he would like to change setups [in / that it is this method / software-data processing], a date, etc., on the whole, program language is improved each time, and if there is no correction, it will not become. For this reason, days start the design variation of a program and the work by a specialist is required for it.
[0004]
[Problem(s) to be Solved by the Invention]If it is going to change the conventional contents of processing and conditions of a program as described above, even if it is an easy change, it is expensive, and days start and the work by a specialist is required.
[0005]Then, if data is inputted simply, without being conscious of description of program language (COBOL, FORTRAN, etc.), this invention, It aims at understanding the meaning of this data input and providing the recording medium for automatic application, the automatic application of the software which can be built, and construction for the software for that data processing.
[0006]
[Means for Solving the Problem]A work sheet file part which saved [various] business work sheets which include at least one business logic term which expresses a meaning on business with the minimum unit in order that this invention may attain the above-mentioned purpose, Business work sheets corresponding to user choice information are displayed on a display among the above-mentioned business work sheets, When

data is inputted into said data input part as software for rule setting out which shows a data input part of the business work sheets concerned with an applicable business logic term, A business data file part which stores the data concerned as rule setting data, When said application data is inputted as the 1st use software for inputting application data corresponding to said rule setting data stored in said business data file, Software used according to said business logic term corresponding to this application data is determined, This software performed data processing using said application data and said rule setting data corresponding to this, and in order to obtain that result, a recording medium which recorded the 2nd use software for applying business logic is realized.

[0007]According to the device using the above-mentioned recording medium, rule setting data should just be inputted into a data input part incidental to a business logic term on business work sheets at the time of program design. Then, based on a meaning which a business logic term has, software for processing rule setting data and this rule setting data as criterion data is matched. Therefore, it is more suitable to call it rule-setting-data input operation for carrying out business rather rather than program design.

[0008]Then, when application data corresponding to the rule setting data concerned is inputted at the time of use, selection execution of the application program is carried out automatically, and a result which carries out a business definition and to process can be obtained.

[0009]

[Embodiment of the Invention]Hereafter, this embodiment of the invention is described with reference to Drawings.

[0010]Drawing 1 is the 1 embodiment of this invention. 100 is a computer body and comprises hardware and operation system (OS). 500 is a display part, 1000 is a new working device in connection with this invention, and this portion comprises logic block by which comprised a recording medium mentioned later and its drive device, or the IC form was carried out.

[0011]Drawing 2 is the concrete 1 embodiment of this invention. 100 is a computer body and comprises hardware and operation system (OS). The business logic application part 200 is carried to this computer body 100. The business logic application part 200 comprises the business operation system (business OS) 201 and the rule adaptability test part 202.

[0012]This business operation system (business OS) is the beforehand regular software, for example, comprises common software the object for tic [existence], the object for a maximum check, for a minimum check, and for total processing.

[0013]The business rule adaptability test part 202 is a judgment part which judges which software is used, when performing data processing mentioned later and utilizing the software of business operation system based on the business logic term of a business WAKUFU sheet.

[0014]Business work sheets, a business logic term, and rule setting data are stored in the business data file 400. Various kinds of worksheets used on the ledger required of business for rule setting out, a check, a plan, and circulation business, such as a check, a list, an order slip, and an approval check, are stored in this business data file 400 as data. This worksheet includes at least one above-mentioned business logic term which expresses the meaning on business with the minimum unit. And a data input part exists corresponding to this business logic term. When a plan and the worksheet for rule setting out are used at the time of program design and data is inputted into a data input part, the input data turns into rule setting data. When

using a computer on business and data is inputted into the data input part of worksheets, such as a rule written confirmation and an estimate, after rule setting data was inputted, this data turns into application data.

[0015]It is a display, and when building a program, or when using a program after it generates a program, 500 displays a worksheet, and it is used in order to check data input or to check a program manipulation result. To construction of a program, and the utilization time of a program, while answering the operation from a final controlling element, and the comprehensive Management Department's 600 operating and performing access and starting of data to peripheral blocks, the timing of input and output of data, etc. will be controlled.

[0016]To determine any of the kind of worksheet are displayed, the controlling-display part 300 which answers an operational input via the comprehensive Management Department 600 has decided, and it has read from the business data file 400. The data which accompanies the read worksheet and it is also read. Data and the worksheet which were read carry out through [of the comprehensive Management Department 600], and are displayed on the display 500.

[0017]As shown in the above-mentioned worksheet at drawing 3, for example, the business logic term is described and data is described to the blank section (data input part) corresponding to this business term. This example is a worksheet in the case of setting up a credit limit to a business guest. The title called "description of a customer's credit limit" as a title is set up. If operation called program construction start (or business rule setting out) from the final controlling element 501 is performed, for example, it requests a menu in reading the worksheet of this title, that title menu will appear. And with reference to a title menu, the thing which display a worksheet on a display and to do can be performed by clicking the same title "description of a customer's credit limit" concerned. The comprehensive Management Department 600 answers the input from the final controlling element 501 while carrying out by a system rising.

[0018]Since data processing contents were decided according to the item of "description a customer's credit limit", the business logic application part 200 has related ****** data for the software which performs the data processing, and a worksheet.

[0019]In a displaying condition like drawing 3 A, moreover a customer number, a company name, etc. are inputted, there is a column of an application opening day, an application end date, credit, and an application stop, and this required data is described. Application opening day 97/06/06, and the credit 200,000,000 are described by this example, and the column of the application end date and the application stop is not described. When not described, it means that data processing about this business logic item is not performed automatically.

[0020]The worksheet for creating the item list of a customer's selling merchandise is also stored. Thereby, various kinds of data (these will be called business rule information set) of a customer can be built.

[0021]After description of rule setting data required for a required worksheet finishes, the display of an end of a screen is clicked. Then, each worksheet is stored in the business data file 400. Thus, since data processing required on business was beforehand decided by the kind (contents to mean) of the rule setting data by inputting data, the program to apply will be decided to each data.

[0022]For example, in order to check a customer to the credit mentioned above at the time of actual use, when application data is inputted, it must be judged whether the application data is suitable. Then,

application data is compared to credit (business information set), and maximum check processing in which it is judged whether application data is over the value of a business rule information set is performed.

[0023]That is, by this invention, the application software for business was thoroughly divided into business logic and program logic (computer logic) in accordance with the fixed standard, and the composition of the device is considered. The item expressed as business work sheets (business papers) by these as a fixed standard here is targeted for the extraction separation of a check, the data, etc. as a computer screen and a computer list.

[0024]The commercial transaction know how system data constellation in these (element of the meaningful minimum unit of determining the contents of the commercial transaction contract), It classifies into the item of a mission-critical task system data constellation (element of the meaningful minimum units, such as an in-company rule for carrying out a contract), and a calculation system data constellation (meaningful minimum units, such as an accounting rule based on the commercial law, tax law, and the Securities Exchange Act), and matches with the application software which should process these. That is, they are a maximum, a minimum check, an existence check, and total processing.

[0025]Like the above, by carrying out separation arrangement, as application software, only the mechanism of processing these items remains as program logic, and this is business OS. And if the contents to mean understand the item on the above-mentioned business, what it remains in will be only mere data. These are business data.

[0026]As a result, the software (business OS) stored in the business logic application means, Application data (data inputted when this invention device is used at a actual commercial transaction etc.), It is a software group which performs maximum check processing, minimum check processing, existence check processing, and total processing using the business rule information set (beforehand saved as a database) corresponding to this.

[0027]It returns and explains to drawing 3. Construction of the database using a worksheet is performed like drawing 3 (A) mentioned above. The above-mentioned example explained the example which sets up credit to a certain correspondent firm. In addition, the data of the list database of a customer's company, the database of the selling merchandise of the customer concerned, the unit price of each selling merchandise, quantity information, etc. can also be built.

[0028]Drawing 3 (B) shows the example of the application screen when there is an order received from customer ABCDE. In this case, an application worksheet will be read as a worksheet and the information which came to hand as shown in a figure will be inputted into a required part. That is, they are a customer code, a customer name, a bar code, a unit price, quantity, the amount of money for ordering, etc. Such data is inputted and it is ordered a start. The controlling-display part 300 displays the title of an application worksheet by switching the worksheet of the above-mentioned application screen to application mode in the final controlling element 501, and requiring the menu of an application screen. That title will be clicked if a "order received" exists in the title of hope, and this case.

[0029]The application screen of drawing 3 (B) can be obtained on the display 500 by this operation. After this, a user will input data. If a reference start is operated here, judgment (maximum check processing) whether the amount of money for ordering is over credit will be performed. As for the software at this time, the business logic application part 200 will choose and perform software for maximum check processing

automatically by recognizing the item called amount of money for ordering. It will be displayed on the display 500 as the obtained data "is over the credit limit" via the controlling-display part 300 and the comprehensive Management Department 600 as a result of this processing. ["it being in a credit limit", or]

[0030]Drawing 4 has an association table of a worksheet, the business logic term described by each worksheet, the worksheet group data in which this business logic term exists, and application software. By having this table, that correspondence business logic term when the worksheet accessed on the present display 500 is recognized and data input occurs will be recognized, and application software will be determined. The data of the result obtained with the application of software will return as a screen on a display again. The table of drawing 4 may be described by the block [which / of the business logic application part 200 or the business data file 400].

[0031]The above-mentioned embodiment showed the fundamental principle of this invention. This invention is not limited to the above-mentioned embodiment, and a business logic term is shown on behalf of a mere part. It becomes a judgment source of the software which all the items of classes, such as various kinds of checks, a list, an approval check, correspond to the business logic term of this invention, and a business logic application part chooses.

[0032]Drawing 5 is a lineblock diagram showing this invention concretely further.

[0033]Drawing 2 and identical codes are given to the block shown in drawing 2, and the corresponding portion. In drawing 2, a worksheet and the data given to the item described by this worksheet classified and showed the data of the business data file 400.

[0034]In drawing 5, it divides according to the character of data further. As character of data, there are simple data in which rewriting etc. are performed frequently, and semipermanent data, in this figure, simple data is brought together in a business data recording part, and semipermanent data is brought together in the CDC Records Department.

[0035]The data of a business data recording part is classified according to a kind, and the seed division is carried out at the commercial transaction Records Department, the Records Department of operating employment, and the Records Department of rules, such as various regulations.

[0036]When rewriting of these data is performed, the result remains as record (history).

[0037]As record of a commercial transaction, record of what kind of dealings to have conducted with what company when remains. As record of operating employment, the history data on record of the data of progress of achievements and the history data of accounting and personnel management is recorded. As record of a business rule, the data the data [for various kinds of regulations], for example, change of work rules, back and before change and the data change before of the credit limit a customer's company and after change are stored. The information on purchase quantity change of the handling goods of a customer's company, etc. are recorded. It is used as the Records Department of the value of a case as the marketing specialist discounted and sold special selling merchandise, for example.

[0038]The data of the CDC Records Department is also classified according to a kind, and the seed division is carried out at Records Department parts, such as the Records Department, such as the Records Department of a rule applicable rule, and a screen layout, and a list layout. As drawing 4 explained, for example, the table showing the correspondence relation of the software relevant to the logic term of a worksheet and this logic term is described by the rule application part.

[0039]In the above-mentioned explanation, in order to function intelligibly, the separate block shows the comprehensive Management Department 600, the business logic application part 200, and the controlling-display part 300, but as for these, it is needless to say that it may be unified.

[0040]The rule-setting-data input part for inputting an application day exists as a business logic term which sets a business rule as a worksheet in the above-mentioned system. As an application day, an application opening day and an application end date exist, and each data input part exists. In order to input an application day, in a rule setting means, a means to require the input of a cryptographic key accompanies and it operates.

[0041]When it seems that he would like to suspend import of some goods from two or more companies which suited in the customer until now when such a function existed, and the company of a customer when it seems that him would like to interrupt dealings, the final controlling element 501 is operated immediately and rule setting data can be changed. For this reason, an employment speed due to occupational cases can be accelerated, and it is reliable. Also when the rate of foreign currency changes, it can respond immediately by changing rule setting data.

[0042]In this system, since the business rule data which recorded the past rule exists, calculation of the data which came to hand at the past rate now can also be performed easily.

[0043]After drawing 6, association tables, such as a screen which shows the concrete table on the business further provided in the business logic application part 200, and is used with each disposal of business affairs and a work breakdown, a ledger which records data, and ledgers, are made intelligible. A disposal-of-business-affairs standard is shown in drawing 6 thru/or drawing 17, and one by one from the column of **** Computer disposal of business affairs (a disposal-of-business-affairs minimum unit standard / computer standard operation procedure), The column of the slip kind (a reissue-of-vouchers standard / screen design standard) which records rule setting-out business, quotient style business, a physical distribution service, golden style business, manufacture business, and a mission-critical task, the ledger and ledgers which record a mission-critical task, a commercial law standard, accounting standards, a taxation business standard, and a **** standard is provided. A round mark means a flag here.

[0044]For example, the following is meant if NO.17 of drawing 6 is seen. The contents of processing in the case of establishing the transaction account of a sale place are described here. Performing this processing will perform rule setting-out business. In order to perform this processing, the item called establishment of the transaction account of a sale place out of a menu will be clicked. Then, in order to perform account establishment, the establishment check of a sales transaction account is displayed on a screen. The data inputted and described while looking at a screen in this check is described by the sales customer ledger (file) as sales customer data. When such data is extended, a commercial law standard, accounting standards, a taxation business standard, and a **** standard will be applied. In drawing 8, if No.79 is seen, the following meanings are described. It is the shipping instruction of selling merchandise and this is a class of quotient style business. This data will be described by the shipping instruction ledger, if the shipping instruction document of selling merchandise is read on a screen and the data input (permission, quantity, etc.) by an operator occurs, in issuing directions. Since stock etc. are calculable using this data, the software to be used can be defined beforehand. For example, when processing No.111 of drawing 9, it can use.

[0045]Thus, by building the table of a disposal-of-business-affairs standard, the database in connection with

each business can be built. And when treating these data, the software used automatically can be decided.

[0046]When performing ordering business and ordering business, the contents (rule) by which the device of this invention operates are table-ized in drawing 18 thru/or drawing 21, and are shown in it. Drawing 18 and drawing 19 show one table, and drawing 20 and drawing 21 show one table. This table shows the logic of a disposal-of-business-affairs rule and a disposal-of-business-affairs rule, the application item of a disposal-of-business-affairs rule, and the inspection item sequentially from the left column. For example, when the check of the purchase goods of No.1 of drawing 18 is chosen from a menu, this is conducting the inspection which can purchase purchase goods. On a screen, the screen for inputting the name and code of purchase goods appears. If suitable data is inputted looking at this screen, an inspection will be started by the basis of judgment of the business logic application part 200. The inspection of the existence of a customer and a customer organization is performed automatically, looking at a database as an inspection. When the check of the number of inventory fitness of the purchase goods of No.6 and the propriety of inventory figures are chosen from menus, the fitness quantity of stock of purchase goods will be inspected. An ordering number is inputted into the item called order of the purchase goods of an item which appeared on the screen at this time. Then, the check of an inventory limit number is performed automatically. This is a maximum check of whether stock is over the ordering number. A goods' in question existence check is performed before that.

[0047]Drawing 22 and drawing 23 show the table of the business rule applied when performing an order order received and checking a person's in charge existence. One table is built by drawing 22 and drawing 23.

[0048]In the table mentioned above, although explained on behalf of the part, it is similarly used about other items.

[0049]Next, operation of the user at the time of introducing the device of this invention will be explained briefly.

[0050]A new working device is built by the data control type business application recorded, for example on the recording medium. Then, this application is installed in a computer body using a setup program.

[0051]Drawing 24 shows operation in the preparatory step which uses this invention device on business. Management of an overall unit is performed at the comprehensive Management Department 600, and the order of operation of each unit, data search, data output, etc. are controlled.

[0052]Processing of the item where the flag stands on the column of rule setting-out business among the tables shown after drawing 6 is performed at the time of a preparatory step. When operation is first performed through a final controlling element and it uses it on an operating aspect of practical use, the operating employment screen (worksheet) for preparing a data file from an employment preparation menu is displayed on a display (Step a1, a2). Next, looking at a screen, a business information set is inputted into the blank section of a suitable item (Step a3), and a business-use data file is built. When setting up work rules, it will realize by the same manipulation routine.

[0053]Drawing 25 shows the operation instances in the case of using the database (CDC) built as mentioned above. A transaction processing menu is displayed, and if the item which is applicable from the inside is chosen (Step b1), it will change to the disposal-of-business-affairs screen (Step b2) corresponding to the item. Here, a user inputs required using data, looking at a disposal-of-business-affairs screen (b3). Then, corresponding to the kind of the using data, based on the table shown in drawing 6 thru/or drawing 23, the

business logic application part 200 determines required software mentally, and displays the processing result (Step b4). A user will redo, seeing this result or comprehension will be judged (Step b5).

[0054]Drawing 26 shows the procedure used when it is necessary to change work rules. Operation of a work-rules change key will perform the keystroke demand of a password (c1, c2). this -- anyone -- although -- it is because it is set up not change work rules freely. When there is an input of a password, like the time of being previous preparation, a preparation menu will be displayed and a user will choose from this inside the item which wants to change a rule (Step c3). And if a work-rules setting screen appears, the input of condition data will be performed into a required portion (Step c5).

[0055]Next, some examples of use are described and seen.

[0056](1) Advance preparations of the Example (a) ordering business in the case of inspecting a sales customer's account on ordering business -- A sales customer's registration is performed in this preparation.

[0057](b) Actual ordering operating time -- The inspection of whether advanced registration of the sales customer is carried out is conducted.

[0058](2) Advance preparations of the Example (a) ordering business in the case of inspecting credit on ordering business -- A sales customer's registration, registration of a sales customer's credit.

(b) Actual ordering operating time -- The inspection of whether the sum total of a sales customer's amount of an account receivable and order volume is over credit is conducted.

[0059](3) Advance preparations of the Example (a) ordering business in the case of inspecting a person's in charge official authority on ordering business -- A person's in charge registration and registration of the upper limit amount a person's in charge sales authority.

[0060](b) Actual ordering operating time -- It is inspected whether the sum total of order volume is over the upper limit amount of a person's in charge sales authority.

[0061]This invention is not limited to the above-mentioned embodiment, and various kinds of embodiments are possible for it.

[0062]Drawing 27 has connected between the display 500 and the new working devices 1000 with the data-communications receiving sets (modem) 701 and 702. If it does in this way, processing of business data and setting out of a business rule can be performed through a network from a remote area. In this case, the software for controlling transceiving equipment will be installed in the hardware of a recording medium or a new working device.

[0063]Drawing 28 shows that it is prepared in the language of two or more countries as a business data file as a language of the screen which appears on the term and display. If it has such composition, the thing which will be done in each country and to do is possible for this system. Of course, the language choice function is provided at the comprehensive Management Department 600 in this case, and the user can set up language through the final controlling element 501.

[0064]This invention is not limited to above-mentioned working example, and the function on which two or more displays 500 are made to display a business-use processing screen (worksheet) etc. is also provided with it in the controlling-display part 300. That is, it is also possible to process displaying and comparing the checks 1, 2, and 3, as shown in drawing 29 (A). When data is inputted into the data input part of a worksheet, the priority of the data processing may be decided beforehand and at least processing order may be made to be decided by operation. As shown in drawing 29 (B), of course, two or more items may exist in

a check as a data input part. Also in this case, the user could be made to decide a data-processing order, and a data-processing order could be decided automatically. Although it is natural, in this system, data processing was not performed and the portion without data input is come.

[0065]The example of use of the device of this invention is explained further.

[0066]The rule setting screen in the case of performing rule setting out for an existence check is shown in drawing 30 (A), and the example of the application screen for an existence check is shown in drawing 30 (B). In a rule setting screen, there is an item of a customer code, a customer name, a transaction start day, a transaction end day, and an application stop. Now, suppose that the order No, date of order 95/06/06, and the customer code 0300 were inputted in an application screen. Then, it exists in a data file, since a transaction start day is also a suitable range, this customer can order, and that customer's information, a bar code, a trade name, etc. are displayed. When a customer does not exist or the transaction end day has passed at this time, an alarm display or a beep sound is outputted.

[0067]The rule setting screen in the case of performing rule setting out for the maximum check of a person's in charge sales amount authority is shown in drawing 31 (A), and the example of the application screen for a maximum check is shown in drawing 31 (B). In a rule setting screen, there is an item of a person-in-charge code, an application opening day, an application end date, sales amount authority, and an application stop. Suppose that the person in charge inputted order date 97/01/[the person-in-charge code 95010 and] 30, a customer X company, a bar code, a trade name, quantity, a unit price, etc. now in the application screen of an order received. Then, in an application screen, total software carries out autonomous working and computes the total amount. After that, the software for a check operates and it is judged whether an application day is suitable in whether it is in sales amount intra vires again. Altogether, since it is suitable, nothing appears that it is an example of a figure, it twists and warning does not appear.

[0068]The rule setting screen in the case of describing goods delivery business days and performing rule setting out is shown in drawing 32 (A), and the example of the application screen for a minimum check is shown in drawing 32 (B). In a rule setting screen, there is an item of a bar code, a trade name, an application opening day, an application end date, delivery necessary days, and an application stop. Suppose that the person in charge inputted order date 97/07/07, delivery date 97/07/10, a bar code, a trade name, quantity, and a unit price now in the application screen of an order received. In this case, a bar code is checked and order date +two days (delivery necessary days) are calculated. In this case, it is set to 97/07/09. On the other hand, the delivery dates which the user wished are 97/07/10. Therefore, in this case, it is minimum check processing and becomes the judgment of ordering permission.

[0069]The rule setting screen which performs rule setting out of the sales set of goods as an example of a unit check is shown, the example of the application screen of an order received is shown in drawing 33 (B), and it is in drawing 33 (A). In a rule setting screen, there is an item of a bar code, a trade name, an application opening day, an application end date, a sales set, and an application stop, and data is inputted into each.

[0070]Now, in an application screen, an order received is performed and suppose that order date 97/03/03, the bar code 4531213, the quantity 100, etc. were inputted. Then, in this case, since quantity is the multiple 100 of 50, it serves as a judgment of ordering permission.

[0071]It belongs to editing processing at drawing 34 (A), and the rule setting screen for describing the goods

unit price according to quantity is shown. The example of the application screen of an order received is shown in drawing 34 (B). In a rule setting screen, there is an item of a bar code, a trade name, an application opening day, an application end date, the quantity range, a unit price, and an application stop.

[0072]Now, suppose that order date 97 / 06/01 were inputted, the bar code 4531213 was inputted, and 250 quantity was inputted in an application screen. Then, an order can be received satisfactorily in this case and, in the case of 205 quantity, according to rule setting data, a unit price is 90 yen. Therefore, the data called this 90 is read and it is indicated by edit at the column of a unit price. And a calculation function works, the operation of 90x250 is performed, and the display of 22,500 is performed in the column of the amount of money.

[0073]An above-mentioned rule setting screen and application screen only showed an example, and various kinds of modification implementation is possible for this invention.

[0074]Although the new working device 1000 was installed in the computer system by recording media, such as an optical disc, and being explained by the above-mentioned explanation as that by which each manipulation routine is built, it does not restrict to this. New working device 1000 self may be built considering the business logic application part 200, the controlling-display part 300, and the comprehensive Management Department 600 as hardware. The business data file 400 may also comprise a hardware memory, and may comprise a recording medium which only this portion can detach and attach freely, for example, a disk. When attachment and detachment of a business data file part were enabled and change correction of the design and layout of a worksheet is made, it can transpose to a new thing.

[0075]

[Effect of the Invention]understanding the meaning of this data input, if data is inputted simply, without being conscious of description of program language (COBOL, FORTRAN, etc.) according to this invention as explained above -- the software for that data processing -- automatic application -- and it can build. According to an information set input, answering processing becomes possible on the same day, and reexamination and correcting work of software become entirely unnecessary. **.

[Translation done.]

* NOTICES *

TECHNICAL FIELD

[Field of the Invention]If data is inputted simply, without being conscious of description of the program language (COBOL, FORTRAN, etc.) which met the flow chart currently carried out from the former when a businessman creates software, this invention, It is related with the device and software recording medium which understand the meaning of this data input. And after understanding the meaning of the inputted data, according to the meaning, the software for processing input data is chosen automatically, and it is related with the recording medium for the automatic application of applicable software, and construction.

[Translation done.]

* NOTICES *

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PRIOR ART

[Description of the Prior Art]In creating software conventionally, a flow chart designs the routine which applies the software concerned, program language is described along with this flow chart, and it is coding program language to the machine language after that.
[0003]however, when it seems that he would like to change setups [in / that it is this method / software-data processing], a date, etc., on the whole, program language is improved each time, and if there is no correction, it will not become. For this reason, days start the design variation of a program and the work by a specialist is required for it.

[Translation done.]

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EFFECT OF THE INVENTION

[Effect of the Invention]understanding the meaning of this data input, if data is inputted simply, without being conscious of description of program language (COBOL, FORTRAN, etc.) according to this invention as explained above -- the software for that data processing -- automatic application -- and it can build. According to an information set input, answering processing becomes possible on the same day, and reexamination and correcting work of software become entirely unnecessary. **.

[Translation done.]

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TECHNICAL PROBLEM

[Problem(s) to be Solved by the Invention]If it is going to change the conventional contents of processing and conditions of a program as described above, even if it is an easy change, it is expensive, and days start and the work by a specialist is required.
[0005]Then, if data is inputted simply, without being conscious of description of program language (COBOL, FORTRAN, etc.), this invention, It aims at understanding the meaning of this data input and providing the recording medium for automatic application, the automatic application of the software which can be built, and construction for the software for that data processing.

[Translation done.]

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MEANS

[Means for Solving the Problem]A work sheet file part which saved [various] business work sheets which include at least one business logic term which expresses a meaning on business with the minimum unit in order that this invention may attain the above-mentioned purpose, Business work sheets corresponding to user choice information are displayed on a display among the above-mentioned business work sheets, When data is inputted into said data input part as software for rule setting out which shows a data input part of the business work sheets concerned with an applicable business logic term, A business data file part which stores the data concerned as rule setting data, When said application data is inputted as the 1st use software for inputting application data corresponding to said rule setting data stored in said business data file, Software used according to said business logic term corresponding to this application data is determined, This software performed data processing using said application data and said rule setting data corresponding to this, and in order to obtain that result, a recording medium which recorded the 2nd use software for applying business logic is realized.

[0007]According to the device using the above-mentioned recording medium, rule setting data should just be inputted into a data input part incidental to a business logic term on business work sheets at the time of program design. Then, based on a meaning which a business logic term has, software for processing rule setting data and this rule setting data as criterion data is matched. Therefore, it is more suitable to call it rule-setting-data input operation for carrying out business rather rather than program design.

[0008]Then, when application data corresponding to the rule setting data concerned is inputted at the time of use, selection execution of the application program is carried out automatically, and a result which carries out a business definition and to process can be obtained.

[0009]
[Embodiment of the Invention]Hereafter, this embodiment of the invention is described with reference to Drawings.

[0010]Drawing 1 is the 1 embodiment of this invention. 100 is a computer body and comprises hardware and operation system (OS). 500 is a display part, 1000 is a new working device in connection with this invention, and this portion comprises logic block by which comprised a recording medium mentioned later and its drive device, or the IC form was carried out.

[0011]Drawing 2 is the concrete 1 embodiment of this invention. 100 is a computer body and comprises hardware and operation system (OS). The business logic application part 200 is carried to this computer

body 100. The business logic application part 200 comprises the business operation system (business OS) 201 and the rule adaptability test part 202.

[0012]This business operation system (business OS) is the beforehand regular software, for example, comprises common software the object for tic [existence], the object for a maximum check, for a minimum check, and for total processing.

[0013]The business rule adaptability test part 202 is a judgment part which judges which software is used, when performing data processing mentioned later and utilizing the software of business operation system based on the business logic term of a business WAKUFU sheet.

[0014]Business work sheets, a business logic term, and rule setting data are stored in the business data file 400. Various kinds of worksheets used on the ledger required of business for rule setting out, a check, a plan, and circulation business, such as a check, a list, an order slip, and an approval check, are stored in this business data file 400 as data. This worksheet includes at least one above-mentioned business logic term which expresses the meaning on business with the minimum unit. And a data input part exists corresponding to this business logic term. When a plan and the worksheet for rule setting out are used at the time of program design and data is inputted into a data input part, the input data turns into rule setting data. When using a computer on business and data is inputted into the data input part of worksheets, such as a rule written confirmation and an estimate, after rule setting data was inputted, this data turns into application data.

[0015]It is a display, and when building a program, or when using a program after it generates a program, 500 displays a worksheet, and it is used in order to check data input or to check a program manipulation result. To construction of a program, and the utilization time of a program, while answering the operation from a final controlling element, and the comprehensive Management Department's 600 operating and performing access and starting of data to peripheral blocks, the timing of input and output of data, etc. will be controlled.

[0016]To determine any of the kind of worksheet are displayed, the controlling-display part 300 which answers an operational input via the comprehensive Management Department 600 has decided, and it has read from the business data file 400. The data which accompanies the read worksheet and it is also read. Data and the worksheet which were read carry out through [of the comprehensive Management Department 600], and are displayed on the display 500.

[0017]As shown in the above-mentioned worksheet at drawing 3, for example, the business logic term is described and data is described to the blank section (data input part) corresponding to this business term. This example is a worksheet in the case of setting up a credit limit to a business guest. The title called "description of a customer's credit limit" as a title is set up. If operation called program construction start (or business rule setting out) from the final controlling element 501 is performed, for example, it requests a menu in reading the worksheet of this title, that title menu will appear. And with reference to a title menu, the thing which display a worksheet on a display and to do can be performed by clicking the same title "description of a customer's credit limit" concerned. The comprehensive Management Department 600 answers the input from the final controlling element 501 while carrying out by a system rising.

[0018]Since data processing contents were decided according to the item of "description a customer's credit limit", the business logic application part 200 has related ****** data for the software which performs the data

processing, and a worksheet.

[0019]In a displaying condition like drawing 3 A, moreover a customer number, a company name, etc. are inputted, there is a column of an application opening day, an application end date, credit, and an application stop, and this required data is described. Application opening day 97/06/06, and the credit 200,000,000 are described by this example, and the column of the application end date and the application stop is not described. When not described, it means that data processing about this business logic item is not performed automatically.

[0020]The worksheet for creating the item list of a customer's selling merchandise is also stored. Thereby, various kinds of data (these will be called business rule information set) of a customer can be built.

[0021]After description of rule setting data required for a required worksheet finishes, the display of an end of a screen is clicked. Then, each worksheet is stored in the business data file 400. Thus, since data processing required on business was beforehand decided by the kind (contents to mean) of the rule setting data by inputting data, the program to apply will be decided to each data.

[0022]For example, in order to check a customer to the credit mentioned above at the time of actual use, when application data is inputted, it must be judged whether the application data is suitable. Then, application data is compared to credit (business information set), and maximum check processing in which it is judged whether application data is over the value of a business rule information set is performed.

[0023]That is, by this invention, the application software for business was thoroughly divided into business logic and program logic (computer logic) in accordance with the fixed standard, and the composition of the device is considered. The item expressed as business work sheets (business papers) by these as a fixed standard here is targeted for the extraction separation of a check, the data, etc. as a computer screen and a computer list.

[0024]The commercial transaction know how system data constellation in these (element of the meaningful minimum unit of determining the contents of the commercial transaction contract), It classifies into the item of a mission-critical task system data constellation (element of the meaningful minimum units, such as an in-company rule for carrying out a contract), and a calculation system data constellation (meaningful minimum units, such as an accounting rule based on the commercial law, tax law, and the Securities Exchange Act), and matches with the application software which should process these. That is, they are a maximum, a minimum check, an existence check, and total processing.

[0025]Like the above, by carrying out separation arrangement, as application software, only the mechanism of processing these items remains as program logic, and this is business OS. And if the contents to mean understand the item on the above-mentioned business, what it remains in will be only mere data. These are business data.

[0026]As a result, the software (business OS) stored in the business logic application means, Application data (data inputted when this invention device is used at a actual commercial transaction etc.), It is a software group which performs maximum check processing, minimum check processing, existence check processing, and total processing using the business rule information set (beforehand saved as a database) corresponding to this.

[0027]It returns and explains to drawing 3. Construction of the database using a worksheet is performed like drawing 3 (A) mentioned above. The above-mentioned example explained the example which sets up credit

to a certain correspondent firm. In addition, the data of the list database of a customer's company, the database of the selling merchandise of the customer concerned, the unit price of each selling merchandise, quantity information, etc. can also be built.

[0028]Drawing 3 (B) shows the example of the application screen when there is an order received from customer ABCDE. In this case, an application worksheet will be read as a worksheet and the information which came to hand as shown in a figure will be inputted into a required part. That is, they are a customer code, a customer name, a bar code, a unit price, quantity, the amount of money for ordering, etc. Such data is inputted and it is ordered a start. The controlling-display part 300 displays the title of an application worksheet by switching the worksheet of the above-mentioned application screen to application mode in the final controlling element 501, and requiring the menu of an application screen. That title will be clicked if a "order received" exists in the title of hope, and this case.

[0029]The application screen of drawing 3 (B) can be obtained on the display 500 by this operation. After this, a user will input data. If a reference start is operated here, judgment (maximum check processing) whether the amount of money for ordering is over credit will be performed. As for the software at this time, the business logic application part 200 will choose and perform software for maximum check processing automatically by recognizing the item called amount of money for ordering. It will be displayed on the display 500 as the obtained data "is over the credit limit" via the controlling-display part 300 and the comprehensive Management Department 600 as a result of this processing. ["it being in a credit limit", or]

[0030]Drawing 4 has an association table of a worksheet, the business logic term described by each worksheet, the worksheet group data in which this business logic term exists, and application software. By having this table, that correspondence business logic term when the worksheet accessed on the present display 500 is recognized and data input occurs will be recognized, and application software will be determined. The data of the result obtained with the application of software will return as a screen on a display again. The table of drawing 4 may be described by the block [which / of the business logic application part 200 or the business data file 400].

[0031]The above-mentioned embodiment showed the fundamental principle of this invention. This invention is not limited to the above-mentioned embodiment, and a business logic term is shown on behalf of a mere part. It becomes a judgment source of the software which all the items of classes, such as various kinds of checks, a list, an approval check, correspond to the business logic term of this invention, and a business logic application part chooses.

[0032]Drawing 5 is a lineblock diagram showing this invention concretely further.

[0033]Drawing 2 and identical codes are given to the block shown in drawing 2, and the corresponding portion. In drawing 2, a worksheet and the data given to the item described by this worksheet classified and showed the data of the business data file 400.

[0034]In drawing 5, it divides according to the character of data further. As character of data, there are simple data in which rewriting etc. are performed frequently, and semipermanent data, in this figure, simple data is brought together in a business data recording part, and semipermanent data is brought together in the CDC Records Department.

[0035]The data of a business data recording part is classified according to a kind, and the seed division is carried out at the commercial transaction Records Department, the Records Department of operating

employment, and the Records Department of rules, such as various regulations.

[0036]When rewriting of these data is performed, the result remains as record (history).

[0037]As record of a commercial transaction, record of what kind of dealings to have conducted with what company when remains. As record of operating employment, the history data on record of the data of progress of achievements and the history data of accounting and personnel management is recorded. As record of a business rule, the data the data [for various kinds of regulations], for example, change of work rules, back and before change and the data change before of the credit limit a customer's company and after change are stored. The information on purchase quantity change of the handling goods of a customer's company, etc. are recorded. It is used as the Records Department of the value of a case as the marketing specialist discounted and sold special selling merchandise, for example.

[0038]The data of the CDC Records Department is also classified according to a kind, and the seed division is carried out at Records Department parts, such as the Records Department, such as the Records Department of a rule applicable rule, and a screen layout, and a list layout. As drawing 4 explained, for example, the table showing the correspondence relation of the software relevant to the logic term of a worksheet and this logic term is described by the rule application part.

[0039]In the above-mentioned explanation, in order to function intelligibly, the separate block shows the comprehensive Management Department 600, the business logic application part 200, and the controlling-display part 300, but as for these, it is needless to say that it may be unified.

[0040]The rule-setting-data input part for inputting an application day exists as a business logic term which sets a business rule as a worksheet in the above-mentioned system. As an application day, an application opening day and an application end date exist, and each data input part exists. In order to input an application day, in a rule setting means, a means to require the input of a cryptographic key accompanies and it operates.

[0041]When it seems that he would like to suspend import of some goods from two or more companies which suited in the customer until now when such a function existed, and the company of a customer when it seems that him would like to interrupt dealings, the final controlling element 501 is operated immediately and rule setting data can be changed. For this reason, an employment speed due to occupational cases can be accelerated, and it is reliable. Also when the rate of foreign currency changes, it can respond immediately by changing rule setting data.

[0042]In this system, since the business rule data which recorded the past rule exists, calculation of the data which came to hand at the past rate now can also be performed easily.

[0043]After drawing 6, association tables, such as a screen which shows the concrete table on the business further provided in the business logic application part 200, and is used with each disposal of business affairs and a work breakdown, a ledger which records data, and ledgers, are made intelligible. A disposal-of-business-affairs standard is shown in drawing 6 thru/or drawing 17, and one by one from the column of **** Computer disposal of business affairs (a disposal-of-business-affairs minimum unit standard / computer standard operation procedure), The column of the slip kind (a reissue-of-vouchers standard / screen design standard) which records rule setting-out business, quotient style business, a physical distribution service, golden style business, manufacture business, and a mission-critical task, the ledger and ledgers which record a mission-critical task, a commercial law standard, accounting standards, a taxation business

standard, and a **** standard is provided. A round mark means a flag here.

[0044]For example, the following is meant if NO.17 of drawing 6 is seen. The contents of processing in the case of establishing the transaction account of a sale place are described here. Performing this processing will perform rule setting-out business. In order to perform this processing, the item called establishment of the transaction account of a sale place out of a menu will be clicked. Then, in order to perform account establishment, the establishment check of a sales transaction account is displayed on a screen. The data inputted and described while looking at a screen in this check is described by the sales customer ledger (file) as sales customer data. When such data is extended, a commercial law standard, accounting standards, a taxation business standard, and a **** standard will be applied. In drawing 8, if No.79 is seen, the following meanings are described. It is the shipping instruction of selling merchandise and this is a class of quotient style business. This data will be described by the shipping instruction ledger, if the shipping instruction document of selling merchandise is read on a screen and the data input (permission, quantity, etc.) by an operator occurs, in issuing directions. Since stock etc. are calculable using this data, the software to be used can be defined beforehand. For example, when processing No.111 of drawing 9, it can use.

[0045]Thus, by building the table of a disposal-of-business-affairs standard, the database in connection with each business can be built. And when treating these data, the software used automatically can be decided.

[0046]When performing ordering business and ordering business, the contents (rule) by which the device of this invention operates are table-ized in drawing 18 thru/or drawing 21, and are shown in it. Drawing 18 and drawing 19 show one table, and drawing 20 and drawing 21 show one table. This table shows the logic of a disposal-of-business-affairs rule and a disposal-of-business-affairs rule, the application item of a disposal-of-business-affairs rule, and the inspection item sequentially from the left column. For example, when the check of the purchase goods of No.1 of drawing 18 is chosen from a menu, this is conducting the inspection which can purchase purchase goods. On a screen, the screen for inputting the name and code of purchase goods appears. If suitable data is inputted looking at this screen, an inspection will be started by the basis of judgment of the business logic application part 200. The inspection of the existence of a customer and a customer organization is performed automatically, looking at a database as an inspection. When the check of the number of inventory fitness of the purchase goods of No.6 and the propriety of inventory figures are chosen from menus, the fitness quantity of stock of purchase goods will be inspected. An ordering number is inputted into the item called order of the purchase goods of an item which appeared on the screen at this time. Then, the check of an inventory limit number is performed automatically. This is a maximum check of whether stock is over the ordering number. A goods' in question existence check is performed before that.

[0047]Drawing 22 and drawing 23 show the table of the business rule applied when performing an order order received and checking a person's in charge existence. One table is built by drawing 22 and drawing 23.

[0048]In the table mentioned above, although explained on behalf of the part, it is similarly used about other items.

[0049]Next, operation of the user at the time of introducing the device of this invention will be explained briefly.

[0050]A new working device is built by the data control type business application recorded, for example on the recording medium. Then, this application is installed in a computer body using a setup program.

[0051]Drawing 24 shows operation in the preparatory step which uses this invention device on business. Management of an overall unit is performed at the comprehensive Management Department 600, and the order of operation of each unit, data search, data output, etc. are controlled.

[0052]Processing of the item where the flag stands on the column of rule setting-out business among the tables shown after drawing 6 is performed at the time of a preparatory step. When operation is first performed through a final controlling element and it uses it on an operating aspect of practical use, the operating employment screen (worksheet) for preparing a data file from an employment preparation menu is displayed on a display (Step a1, a2). Next, looking at a screen, a business information set is inputted into the blank section of a suitable item (Step a3), and a business-use data file is built. When setting up work rules, it will realize by the same manipulation routine.

[0053]Drawing 25 shows the operation instances in the case of using the database (CDC) built as mentioned above. A transaction processing menu is displayed, and if the item which is applicable from the inside is chosen (Step b1), it will change to the disposal-of-business-affairs screen (Step b2) corresponding to the item. Here, a user inputs required using data, looking at a disposal-of-business-affairs screen (b3). Then, corresponding to the kind of the using data, based on the table shown in drawing 6 thru/or drawing 23, the business logic application part 200 determines required software mentally, and displays the processing result (Step b4). A user will redo, seeing this result or comprehension will be judged (Step b5).

[0054]Drawing 26 shows the procedure used when it is necessary to change work rules. Operation of a work-rules change key will perform the keystroke demand of a password (c1, c2). this -- anyone -- although -- it is because it is set up not change work rules freely. When there is an input of a password, like the time of being previous preparation, a preparation menu will be displayed and a user will choose from this inside the item which wants to change a rule (Step c3). And if a work-rules setting screen appears, the input of condition data will be performed into a required portion (Step c5).

[0055]Next, some examples of use are described and seen.

[0056](1) Advance preparations of the Example (a) ordering business in the case of inspecting a sales customer's account on ordering business -- A sales customer's registration is performed in this preparation.

[0057](b) Actual ordering operating time -- The inspection of whether advanced registration of the sales customer is carried out is conducted.

[0058](2) Advance preparations of the Example (a) ordering business in the case of inspecting credit on ordering business -- A sales customer's registration, registration of a sales customer's credit.
(b) Actual ordering operating time -- The inspection of whether the sum total of a sales customer's amount of an account receivable and order volume is over credit is conducted.

[0059](3) Advance preparations of the Example (a) ordering business in the case of inspecting a person's in charge official authority on ordering business -- A person's in charge registration and registration of the upper limit amount a person's in charge sales authority.

[0060](b) Actual ordering operating time -- It is inspected whether the sum total of order volume is over the upper limit amount of a person's in charge sales authority.

[0061]This invention is not limited to the above-mentioned embodiment, and various kinds of embodiments are possible for it.

[0062]Drawing 27 has connected between the display 500 and the new working devices 1000 with the data-

communications receiving sets (modem) 701 and 702. If it does in this way, processing of business data and setting out of a business rule can be performed through a network from a remote area. In this case, the software for controlling transceiving equipment will be installed in the hardware of a recording medium or a new working device.

[0063]Drawing 28 shows that it is prepared in the language of two or more countries as a business data file as a language of the screen which appears on the term and display. If it has such composition, the thing which will be done in each country and to do is possible for this system. Of course, the language choice function is provided at the comprehensive Management Department 600 in this case, and the user can set up language through the final controlling element 501.

[0064]This invention is not limited to above-mentioned working example, and the function on which two or more displays 500 are made to display a business-use processing screen (worksheet) etc. is also provided with it in the controlling-display part 300. That is, it is also possible to process displaying and comparing the checks 1, 2, and 3, as shown in drawing 29 (A). When data is inputted into the data input part of a worksheet, the priority of the data processing may be decided beforehand and at least processing order may be made to be decided by operation. As shown in drawing 29 (B), of course, two or more items may exist in a check as a data input part. Also in this case, the user could be made to decide a data-processing order, and a data-processing order could be decided automatically. Although it is natural, in this system, data processing was not performed and the portion without data input is come.

[0065]The example of use of the device of this invention is explained further.

[0066]The rule setting screen in the case of performing rule setting out for an existence check is shown in drawing 30 (A), and the example of the application screen for an existence check is shown in drawing 30 (B). In a rule setting screen, there is an item of a customer code, a customer name, a transaction start day, a transaction end day, and an application stop. Now, suppose that the order No, date of order 95/06/06, and the customer code 0300 were inputted in an application screen. Then, it exists in a data file, since a transaction start day is also a suitable range, this customer can order, and that customer's information, a bar code, a trade name, etc. are displayed. When a customer does not exist or the transaction end day has passed at this time, an alarm display or a beep sound is outputted.

[0067]The rule setting screen in the case of performing rule setting out for the maximum check of a person's in charge sales amount authority is shown in drawing 31 (A), and the example of the application screen for a maximum check is shown in drawing 31 (B). In a rule setting screen, there is an item of a person-in-charge code, an application opening day, an application end date, sales amount authority, and an application stop. Suppose that the person in charge inputted order date 97/01/[the person-in-charge code 95010 and] 30, a customer X company, a bar code, a trade name, quantity, a unit price, etc. now in the application screen of an order received. Then, in an application screen, total software carries out autonomous working and computes the total amount. After that, the software for a check operates and it is judged whether an application day is suitable in whether it is in sales amount intra vires again. Altogether, since it is suitable, nothing appears that it is an example of a figure, it twists and warning does not appear.

[0068]The rule setting screen in the case of describing goods delivery business days and performing rule setting out is shown in drawing 32 (A), and the example of the application screen for a minimum check is shown in drawing 32 (B). In a rule setting screen, there is an item of a bar code, a trade name, an application

opening day, an application end date, delivery necessary days, and an application stop. Suppose that the person in charge inputted order date 97/07/07, delivery date 97/07/10, a bar code, a trade name, quantity, and a unit price now in the application screen of an order received. In this case, a bar code is checked and order date +two days (delivery necessary days) are calculated. In this case, it is set to 97/07/09. On the other hand, the delivery dates which the user wished are 97/07/10. Therefore, in this case, it is minimum check processing and becomes the judgment of ordering permission.

[0069]The rule setting screen which performs rule setting out of the sales set of goods as an example of a unit check is shown, the example of the application screen of an order received is shown in drawing 33 (B), and it is in drawing 33 (A). In a rule setting screen, there is an item of a bar code, a trade name, an application opening day, an application end date, a sales set, and an application stop, and data is inputted into each.

[0070]Now, in an application screen, an order received is performed and suppose that order date 97/03/03, the bar code 4531213, the quantity 100, etc. were inputted. Then, in this case, since quantity is the multiple 100 of 50, it serves as a judgment of ordering permission.

[0071]It belongs to editing processing at drawing 34 (A), and the rule setting screen for describing the goods unit price according to quantity is shown. The example of the application screen of an order received is shown in drawing 34 (B). In a rule setting screen, there is an item of a bar code, a trade name, an application opening day, an application end date, the quantity range, a unit price, and an application stop.

[0072]Now, suppose that order date 97 / 06/01 were inputted, the bar code 4531213 was inputted, and 250 quantity was inputted in an application screen. Then, an order can be received satisfactorily in this case and, in the case of 205 quantity, according to rule setting data, a unit price is 90 yen. Therefore, the data called this 90 is read and it is indicated by edit at the column of a unit price. And a calculation function works, the operation of 90x250 is performed, and the display of 22,500 is performed in the column of the amount of money.

[0073]An above-mentioned rule setting screen and application screen only showed an example, and various kinds of modification implementation is possible for this invention.

[0074]Although the new working device 1000 was installed in the computer system by recording media, such as an optical disc, and being explained by the above-mentioned explanation as that by which each manipulation routine is built, it does not restrict to this. New working device 1000 self may be built considering the business logic application part 200, the controlling-display part 300, and the comprehensive Management Department 600 as hardware. The business data file 400 may also comprise a hardware memory, and may comprise a recording medium which only this portion can detach and attach freely, for example, a disk. When attachment and detachment of a business data file part were enabled and change correction of the design and layout of a worksheet is made, it can transpose to a new thing.

[Translation done.]

* NOTICES *

1.This document has been translated by computer. So the translation may not reflect the original precisely.
2.**** shows the word which can not be translated.
3.In the drawings, any words are not translated.

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]
[Drawing 1]The figure showing the underlying concept of this invention.
[Drawing 2]The figure showing the entire configuration of the 1 embodiment of this invention.
[Drawing 3]The figure showing the example of the screen at the time of use of the device of this invention.
[Drawing 4]The figure showing the example of the table of a business logic application part.
[Drawing 5]The figure showing the still more detailed composition of the device of this invention.
[Drawing 6]The figure showing the example of the table of a business logic application part or a data file.
[Drawing 7]The figure showing the example of the table of a business logic application part or a data file similarly.
[Drawing 8]The figure showing the example of the table of a business logic application part or a data file similarly.
[Drawing 9]The figure showing the example of the table of a business logic application part or a data file similarly.
[Drawing 10]The figure showing the example of the table of a business logic application part or a data file similarly.
[Drawing 11]The figure showing the example of the table of a business logic application part or a data file similarly.
[Drawing 12]The figure showing the example of the table of a business logic application part or a data file similarly.
[Drawing 13]The figure showing the example of the table of a business logic application part or a data file similarly.
[Drawing 14]The figure showing the example of the table of a business logic application part or a data file similarly.
[Drawing 15]The figure showing the example of the table of a business logic application part or a data file similarly.
[Drawing 16]The figure showing the example of the table of a business logic application part or a data file similarly.
[Drawing 17]The figure showing the example of the table of a business logic application part or a data file similarly.

[Drawing 18]The figure showing the example of the table of a business logic application part or a data file similarly.

[Drawing 19]The figure showing the example of the table of a business logic application part or a data file similarly.

[Drawing 20]The figure showing the example of the table of a business logic application part or a data file similarly.

[Drawing 21]The figure showing the example of the table of a business logic application part or a data file similarly.

[Drawing 22]The figure showing the example of the table of a business logic application part or a data file similarly.

[Drawing 23]The figure showing the example of the table of a business logic application part or a data file similarly.

[Drawing 24]The figure showing an operation routine when using this invention device.

[Drawing 25]The figure showing an operation routine when using this invention device similarly.

[Drawing 26]The figure showing an operation routine when using this invention device similarly.

[Drawing 27]The figure showing other examples of this invention device.

[Drawing 28]The figure showing other display examples of this invention device.

[Drawing 29]The figure showing other display examples of this invention device.

[Drawing 30]The figure showing the example of a screen at the time of use of this invention device.

[Drawing 31]The figure showing the example of a screen at the time of use of this invention device similarly.

[Drawing 32]The figure showing the example of a screen at the time of use of this invention device similarly.

[Drawing 33]The figure showing the example of a screen at the time of use of this invention device similarly.

[Drawing 34]The figure showing the example of a screen at the time of use of this invention device similarly.

[Description of Notations]

100 -- Computer body

200 -- Business logic application part,

300 -- Controlling-display part,

400 -- Business data file,

500 -- Display,

600 -- The comprehensive Management Department.

[Translation done.]

* NOTICES *

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damages caused by the use of this translation.

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2.**** shows the word which can not be translated.

3.In the drawings, any words are not translated.

DRAWINGS

[Drawing 1]
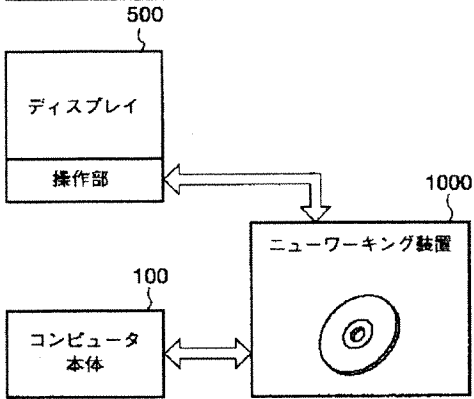
[Drawing 2]
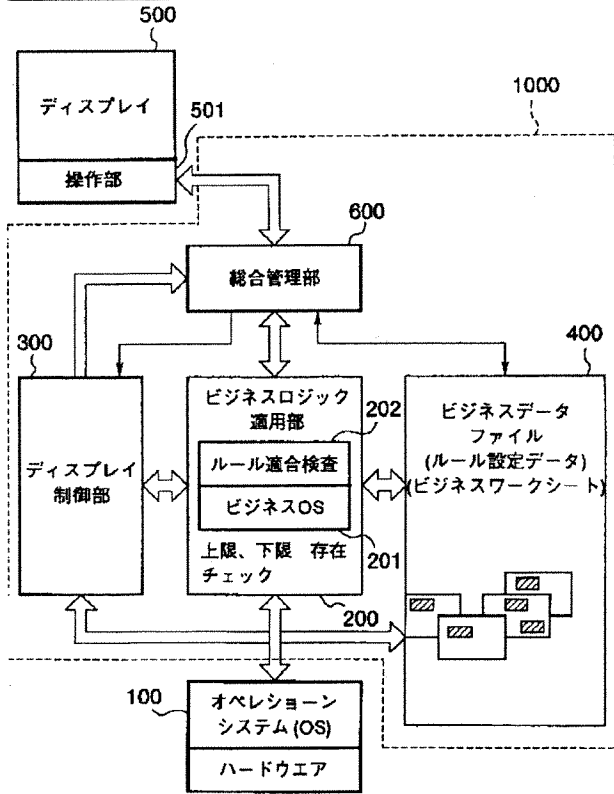
[Drawing 3]

A)

販売取引先の与信額の記述			
取引先　NO. 020010　　取引先名　ABCDE社			
適用開始日	適用終了日	与信額	適用停止
97／06／06	00／00／00	200,000,000	
		終了	取消

[設定画面]

(B)

受注	
取引先　NO. 020010　　取引先名　ABCDE社	
商品コード　××0001　単価　××××　数量　YYYY	
受注金額　　○○○○○○	

[適用画面]

[Drawing 4]

ビジネス用語	ワークシート	適用ソフトウエア (上限)(下限)(存在)(累計)
日　付	00000	存在
取引先NO.	00000	存在
商品コード	01000	存在
受注金額	10100	上限
⋮	⋮	⋮

[Drawing 5]

600

総合管理部

400 ビジネスデータファイル

300

ディスプレイ
制御部

商取引画面

業務運用画面

業務規定
改廃画面

セキュリティ
検査
メッセージ
表示

ビジネスロジック
適用部
・ビジネスルール
　適合性検査
・ビジネスOS

200

ビジネスデータ記録部

ビジネストランザクション
データファイル
(商取引の記録)

ビジネスオペレーション
データファイル
(業務運用の記録)

ビジネスルール
データファイル
(各種規定等ルールの記録)

コントロールデータ記録部

ビジネスルール適用
データファイル
(ルール適用規則を記録)

ビジネスフォーム
データファイル
(画面レイアウト等の記録)

ビジネスレポート
データファイル
(帳票レイアウト等の記録)
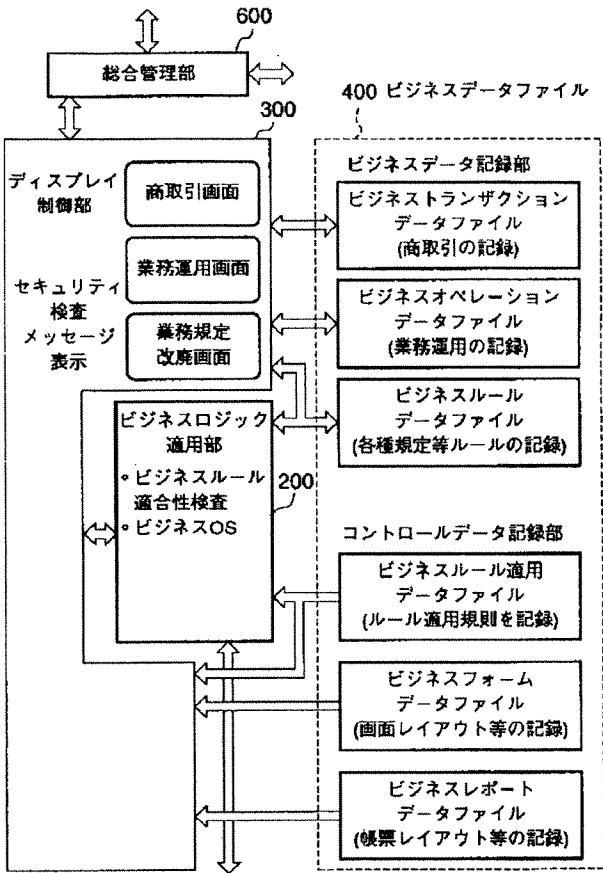
[Drawing 22]

コンピュータ業務処理ルール規格（受注・発注）

No.	業務処理ルール	業務処理ルールのロジック
1	営業日の確認	全社の営業日(取引可能日)の検査
2	担当者の確認	職務の担当者の検査
3	担当者の職務画面の確認	担当者の職務で使用できる画面の検査
4	組織の確認	組織の検査
5	組織の営業日の確認	組織(事業所、工場、倉庫、営業所、店舗等)の営業日の検査
6	組織の職務画面の確認	組織の職務で使用できる画面の検査
7	消費税率の確認	消費税率とその適用の確認および値の編集
8	社内通貨レートの確認	社内での基準通貨レートの値の編集

[Drawing 6]

コンピュータ業務処理規格

No.	コンピュータ業務処理 （業務処理最小単位基準／ コンピュータ業務処理基準）	ルール設定業務	商流業務	物流業務	金流業務	製造業務	基幹業務を記録する伝票類 （起票基準／画面設計基準）	基幹業務を記録する台帳・元帳類 （記帳基準／データファイル設計基準）	商法基準	会計基準	税務基準	証取基準
1	営業日の設定	○					営業日カレンダー	営業日カレンダー				
2	担当者の登録	○					担当者	担当者				
3	担当者の販売担当商品の設定	○					担当者の販売担当商品	担当者の販売担当商品				
4	担当者の販売担当取引先の設定	○					担当者の販売担当取引先	担当者の販売担当取引先				
5	担当者の販売権限の設定	○					担当者の販売権限	担当者の販売権限				
6	担当者の購買担当商品の設定	○					担当者の購買担当商品	担当者の購買担当商品				
7	担当者の購買担当取引先の設定	○					担当者の購買担当取引先	担当者の購買担当取引先				
8	担当者の購買権限の設定	○					担当者の購買権限	担当者の購買権限				
9	組織の登録	○					組織図	組織図				
10	組織の営業日の設定	○					組織の営業日	組織の営業日				
11	組織の販売商品の設定	○					組織の販売商品	組織の販売商品				
12	組織の販売取引先の設定	○					組織の販売取引先	組織の販売取引先				
13	組織の販売取引先の権限の設定	○					組織の販売取引先の組織	組織の販売取引先の組織				
14	組織の購買商品の設定	○					組織の購買商品	組織の購買商品				
15	組織の購買取引先の設定	○					組織の購買取引先	組織の購買取引先				
16	組織の購買取引先の組織の設定	○					組織の購買取引先の組織	組織の購買取引先の組織				
17	販売取引先の取引口座開設	○					販売取引口座の開設伝票	販売取引先台帳	○	○	○	○
18	販売取引先の取引口座停止	○					販売取引口座の停止伝票	同上	○	○	○	○
19	販売取引先の取引口座再開	○					販売取引口座の再開伝票	同上	○	○	○	○
20	販売取引先の取引口座廃止	○					販売取引口座の廃止伝票	同上	○	○	○	○
21	販売取引先の取引口座復活	○					販売取引口座の復活伝票	同上	○	○	○	○
22	販売取引先の営業日の設定	○					販売取引先の営業日カレンダー	販売取引先の営業日カレンダー				
23	販売取引先の組織の設定	○					販売取引先の組織図	販売取引先の組織図				
24	販売取引先の回収予定日の設定	○					販売取引先の回収予定日	販売取引先の回収予定日				
25	販売取引先の請求期間の設定	○					販売取引先の請求期間	販売取引先の請求期間				
26	販売取引先の請求締め日の設定	○					販売取引先の請求締め日	販売取引先の請求締め日				
27	販売取引先の納入先の設定	○					販売取引先の納入先	販売取引先の納入先				
28	販売取引先の与信額の設定	○					販売取引先与信額	販売取引先与信額				
29	販売商品の販売登録	○					販売商品の販売開始伝票	販売商品台帳	○	○	○	○
30	販売商品の販売停止	○					販売商品の販売停止伝票	同上	○	○	○	○

[Drawing 7]

コンピュータ業務処理規格

No.	コンピュータ業務処理 （業務処理最小単位基準／ コンピュータ業務処理基準）	ルール設定業務	商流業務	物流業務	金流業務	製造業務	基幹業務を記録する伝票類 （起票基準／画面設計基準）	基幹業務を記録する台帳・元帳類 （記帳基準／データ ファイル設計基準）	商法基準	会計基準	税務基準	証取基準
31	販売商品の販売再開	○					販売商品の販売再開伝票	同上	○	○	○	○
32	販売商品の販売廃止	○					販売商品の販売廃止伝票	同上	○	○	○	○
33	販売商品の販売復活	○					販売商品の販売復活伝票	同上	○	○	○	○
34	販売商品の販売価格の設定	○					販売商品の価格表	販売商品の価格表				
35	販売商品の数量値引価格の設定	○					販売商品の数量値引価格表	販売商品の数量値引価格表				
36	販売商品の関連お勧め品の設定	○					販売商品の関連お勧め品	販売商品の関連お勧め品				
37	販売商品の代替品の設定	○					販売商品の代替品	販売商品の代替品				
38	販売商品の�'t候品の設定	○					販売商品の�'t候品	販売商品の�'t候品				
39	販売商品の戦略在庫数の設定	○					販売商品の戦略在庫数	販売商品の戦略在庫数				
40	販売商品の販売ロットの設定	○					販売商品の販売ロット	販売商品の販売ロット				
41	販売商品の仕入ロットの設定	○					販売商品の仕入ロット	販売商品の仕入ロット				
42	販売商品の納入所要時間の設定	○					販売商品の納入所要時間	販売商品の納入所要時間				
43	販売商品の在庫頻度の設定	○					販売商品の在庫頻度数	販売商品の在庫頻度数				
44	販売商品の在庫活性度の設定	○					販売商品の在庫活性数	販売商品の在庫活性数				
45	販売商品の発注点の設定	○					販売商品の受注点	販売商品の発注点				
46	販売商品の販売計画の設定	○					販売商品の販売計画書	販売商品の販売計画書				
47	販売商品の取引先別販売登録	○					販売商品の販売先の販売開始伝票	販売商品の販売先別取引先台帳				
48	販売商品の取引先別販売停止	○					販売商品の販売先の販売停止伝票	同上				
49	販売商品の取引先別販売再開	○					販売商品の販売先の販売再開伝票	同上				
50	販売商品の取引先別販売廃止	○					販売商品の販売先の販売廃止伝票	同上				
51	販売商品の取引先別販売復活	○					販売商品の販売先の販売復活伝票	同上				
52	販売商品の取引先別販売価格の設定	○					販売商品の販売先別価格表	販売商品の販売先別価格表				
53	販売商品の取引先別数量値引の設定	○					販売商品の販売先別数量値引価格表	販売商品の販売先別数量値引価格表				
54	販売商品の取引先別販売数量割当の設定	○					販売商品の販売先別数量割当表	回収金融機関口座台帳				
55	売上回収用の金融機関口座の登録	○					売上回収の金融機関口座の伝票					
56	売上回収用の金融機関口座の停止	○					売上回収の金融機関口座の停止伝票	同上				
57	売上回収用の金融機関口座の再開	○					売上回収の金融機関口座の再開伝票	同上				
58	売上回収用の金融機関口座の廃止	○					売上回収の金融機関口座の廃止伝票	同上				
59	売上回収用の金融機関口座の復活	○					売上回収の金融機関口座の復活伝票	同上				
60	消費税率情報の設定	○					消費税率情報	消費税率情報	○	○	○	○

[Drawing 23]

コンピュータ業務処理ルール規格(受注・発注)

業務処理ルールの 適用項目	項目検査					演算・編集
	上限検査の 適用項目	下限検査の 適用項目	単位検査の 適用項目	存在検査の 適用項目	累計比較の 適用項目	演算・編集の 適用項目
納入日, 受入日, 支払日等	—	—	—	営業日	—	—
担当者	—	—	—	担当者	—	—
担当者の職務画面	—	—	—	担当者, 画面	—	—
組織	—	—	—	組織	—	—
納入日, 受入日等	—	—	—	組織, 営業日	—	—
組織の職務画面	—	—	—	組織, 画面	—	—
消費税額	—	—	—	適用期間	—	消費税率
通貨	—	—	—	通貨コード	—	通貨レート

[Drawing 8]

コンピュータ業務処理規格

No.	コンピュータ業務処理 （業務処理最小単位基準／ コンピュータ業務処理基準）	ルール設定業務	商流業務	物流業務	金流業務	製造業務	基幹業務を記録する伝票類 （起票基準／画面設計基準）	基幹業務を記録 する台帳・元帳類 （記帳基準／データ ファイル設計基準）	商法基準	会計基準	税務基準	証取基準
61	見込客情報の報告		○				見込み客報告書	見込み客台帳				
62	見込客情報の訂正報告		○				見込み客報告書	同上				
63	見込客情報の取消報告		○				見込み客報告書	同上				
64	見積書の作成と報告		○				見積書	見積台帳				
65	見積書の訂正報告		○				見積書	同上				
66	見積書の取消報告		○				見積書	同上				
67	受注見込情報の報告		○				受注見込み報告書	受注見込み台帳				
68	受注見込情報の訂正報告		○				受注見込み報告書	同上				
69	受注見込情報の取消報告		○				受注見込み報告書	同上				
70	受注契約(予約)		○				予約伝票	受注台帳	○	○	○	○
71	受注契約(予約)の訂正		○				予約訂正伝票	同上	○	○	○	○
72	受注契約(予約)の取消		○				予約取消伝票	同上	○	○	○	○
73	受注契約(内示)		○				受注伝票	同上	○	○	○	○
74	受注契約(内示)の訂正		○				受注訂正伝票	同上	○	○	○	○
75	受注契約(内示)の取消		○				受注取消伝票	同上	○	○	○	○
76	受注契約(確定)		○				受注伝票	同上	○	○	○	○
77	受注契約(確定)の訂正		○				受注訂正伝票	同上	○	○	○	○
78	受注契約(確定)の取消		○				受注取消伝票	同上	○			
79	販売商品の出荷指示		○				販売商品の出荷指示書	出荷指示台帳				
80	販売商品の出荷の訂正指示		○				販売商品の出荷訂正指示書	同上				
81	販売商品の出荷の取消指示		○				販売商品の出荷取消指示書	同上				
82	販売商品の出荷実績の報告		○	○			出荷伝票	出荷台帳	○	○	○	○
83	販売商品の出荷実績の訂正報告		○	○			出荷訂正伝票	同上	○	○	○	○
84	販売商品の出荷実績の取消報告		○	○			出荷取消伝票	同上	○	○	○	○
85	販売商品の出荷返品実績の報告		○	○			出荷返品伝票	出荷返品台帳	○	○	○	○
86	販売商品の出荷返品実績の訂正報告		○	○			出荷返品訂正伝票	同上	○	○	○	○
87	販売商品の出荷返品実績の取消報告		○	○			出荷返品取消伝票	同上	○	○	○	○
88	請求書の発行		○				請求伝票	請求台帳				
89	請求書の訂正発行		○				請求訂正伝票	同上				
90	請求書の発行取消		○				請求取消伝票	同上				

[Drawing 9]

コンピュータ業務処理規格

No.	コンピュータ業務処理 （業務処理最小単位基準／ コンピュータ業務処理基準）	ルール設定業務	商流業務	物流業務	金流業務	製造業務	基幹業務を記録する伝票類 （起票基準／画面設計基準）	基幹業務を記録する 台帳・元帳類 （記帳基準／データ ファイル設計基準）	商法基準	会計基準	税務基準	証取基準
91	売上計上				○		売上計上伝票	設勘定元帳	○	○	○	○
92	回収計上				○		回収計上伝票	同上	○	○	○	○
93	販売商品の入庫予定の報告			○			販売商品入庫予定伝票	販売商品入庫予定表				
94	販売商品の入庫予定の訂正報告			○			販売商品入庫予定訂正伝票	同上				
95	販売商品の入庫予定の取消報告			○			販売商品入庫予定取消伝票	同上				
96	販売商品の入庫実績の報告			○			販売商品入庫伝票	販売商品入庫台帳	○	○	○	○
97	販売商品の入庫実績の訂正報告			○			販売商品入庫訂正伝票	同上	○	○	○	○
98	販売商品の入庫実績の取消報告			○			販売商品入庫取消伝票	同上	○	○	○	○
99	販売商品の在庫棚卸の報告			○			販売商品在庫棚卸伝票	販売商品在庫棚卸台帳	○	○	○	○
100	販売商品の在庫棚卸の訂正報告			○			販売商品在庫棚卸訂正伝票	同上	○	○	○	○
101	販売商品の在庫棚卸の取消報告			○			販売商品在庫棚卸取消伝票	同上	○	○	○	○
102	販売商品の在庫廃棄分等の報告			○			販売商品在庫処分伝票	販売商品在庫処分台帳	○	○	○	○
103	販売商品の在庫廃棄分等の訂正報告			○			販売商品在庫処分訂正伝票	同上	○	○	○	○
104	販売商品の在庫廃棄分等の取消報告			○			販売商品在庫処分取消伝票	同上	○	○	○	○
105	販売商品の出庫予定の報告			○			販売商品出庫予定伝票	販売商品出庫予定表				
106	販売商品の出庫予定の訂正報告			○			販売商品出庫予定訂正伝票	同上				
107	販売商品の出庫予定の取消報告			○			販売商品出庫予定取消伝票	同上				
108	販売商品の出庫実績の報告			○			販売商品出庫伝票	販売商品出庫台帳	○	○	○	○
109	販売商品の出庫実績の訂正報告			○			販売商品出庫訂正伝票	同上	○	○	○	○
110	販売商品の出庫実績の取消報告			○			販売商品出庫取消伝票	同上	○	○	○	○
111	販売商品在庫計上				○		販売商品在庫計上伝票	総勘定元帳	○	○	○	○
112	購買取引先の取引口座開設	○	○				購買取引口座の開設伝票	購買取引先台帳				
113	購買取引先の取引口座停止	○	○				購買取引口座の停止伝票	同上				
114	購買取引先の取引口座再開	○	○				購買取引口座の再開伝票	同上				
115	購買取引先の取引口座廃止	○	○				購買取引口座の廃止伝票	同上				
116	購買取引先の取引口座復活	○	○				購買取引口座の復活伝票	同上				
117	購買取引先の組織の設定	○	○				購買取引先の組織図	購買取引先の組織図				
118	購買取引先の請求期間の設定	○	○				購買取引先の請求期間	購買取引先の請求期間				
119	購買取引先の請求締め日の設定	○	○				購買取引先の請求締め日	購買取引先の請求締め日				
120	購買取引先の商品発注担当額の設定	○	○				購買取引先の商品発注担当額表	購買取引先の商品発注担当額表				

[Drawing 24]


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  スタート
     │
┌──────────────────┐
│ 準備メニュー表示, 項目選択 │ ─ a1
└──────────────────┘
     │
┌──────────────────┐
│    業務運用画面     │ ─ a2
└──────────────────┘
     │
┌──────────────────┐
│    データ入力      │ ─ a3
└──────────────────┘
     │
   エンド
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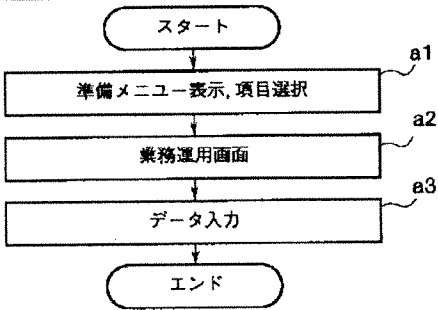
[Drawing 10]

コンピュータ業務処理規格

No.	コンピュータ業務処理 （業務処理最小単位基準／ コンピュータ業務処理基準）	ルール設定業務	商流業務	物流業務	金流業務	製造業務	基幹業務を記録する伝票類 （起票基準／画面設計基準）	基幹業務を記録する台帳・元帳類 （記帳基準／データ ファイル設計基準）	商法基準	会計基準	税務基準	証取基準
121	購買取引先の購買限度額の設定	○					購買取引先の購買限度額表	購買取引先購買限度額表				
122	購買取引先の営業日の設定	○					購買取引先の営業日カレンダー	購買取引先の営業日カレンダー				
123	購買取引先の支払予定日の設定	○					購買取引先の支払予定日	購買取引先の支払予定日				
124	購買商品の購買登録	○					購買商品の購買開始伝票	購買商品台帳	○	○	○	○
125	購買商品の購買停止	○					購買商品の購買停止伝票	同上	○	○	○	○
126	購買商品の購買再開	○					購買商品の購買再開伝票	同上	○	○	○	○
127	購買商品の購買廃止	○					購買商品の購買廃止伝票	購買商品台帳	○	○	○	○
128	購買商品の購買復活	○					購買商品の購買復活伝票	同上				
129	購買商品の取引先調達所要時間の設定	○					購買商品の取引先調達所要時間	購買商品の取引先調達所要時間				
130	購買商品の在庫限度数の設定	○					購買商品の在庫限度数	購買商品の在庫限度数				
131	購買商品の在庫適性数の設定	○					購買商品の在庫適性数	購買商品の在庫適性数				
132	購買商品の基準価格の設定	○					購買商品の基準価格設定伝票	購買商品の基準価格台帳				
133	購買商品の発注点の設定	○					購買商品の発注点	購買商品の発注点				
134	購買商品の数量単位割当の設定	○					購買商品の数量単位割当設定伝票	購買商品の数量単位割当標準表				
135	購買商品の調達ロットの設定	○					購買商品の調達ロット	購買商品の調達ロット				
136	購買商品の受入ロットの設定	○					購買商品の受入ロット	購買商品の受入ロット				
137	購買商品の購買計画の設定	○					購買商品の購買計画書	購買商品の購買計画書				
138	購買商品の取引先別購買開始	○					購買商品の購買先の購買開始伝票	購買商品の購買取引先台帳				
139	購買商品の取引先別購買停止	○					購買商品の購買先の購買停止伝票	同上				
140	購買商品の取引先別購買再開	○					購買商品の購買先の購買再開伝票	同上				
141	購買商品の取引先別購買廃止	○					購買商品の購買先の購買廃止伝票	同上				
142	購買商品の取引先別購買復活	○					購買商品の購買先の購買復活伝票	同上				
143	購買商品の取引先別発注担当額の設定	○					購買商品の購買先の発注担当額伝票	購買商品の取引先別発注担当額表				
144	購買商品の取引先別数量割引標準の設定	○					購買商品の購買先の数量割引標準伝票	購買商品の取引先別数量割引標準表				
145	購買取引先の支払用の金融機関口座の登録	○					購買先支払の金融機関口座の登録伝票	購買先支払金融機関口座台帳				
146	購買取引先の支払用の金融機関口座の停止	○					購買先支払の金融機関口座の停止伝票	同上				
147	購買取引先の支払用の金融機関口座の再開	○					購買先支払の金融機関口座の再開伝票	同上				
148	購買取引先の支払用の金融機関口座の廃止	○					購買先支払の金融機関口座の廃止伝票	同上				
149	購買取引先の支払用の金融機関口座の復活	○					購買先支払の金融機関口座の復活伝票	同上				
150	購買取引先の支払用の金融機関口座の変更	○					購買先支払の金融機関口座の変更伝票	同上				

[Drawing 11]

コンピュータ業務処理規格

No.	コンピュータ業務処理（業務処理最小単位基準／コンピュータ業務処理基準）	ルール設定業務	商流業務	物流業務	金流業務	製造業務	基幹業務を記録する伝票類（起票基準／画面設計基準）	基幹業務を記録する台帳・元帳類（記帳基準／データファイル設計基準）	商法基準	会計基準	税務基準	証取基準
151	見積依頼書の発行		○				見積依頼書	見積依頼台帳				
152	見積依頼書の発行訂正		○				見積依頼書	同上				
153	見積依頼書の発行取消		○				見積依頼書	同上				
154	発注見込報告書の発行		○				発注見込み報告書	発注見込台帳				
155	発注見込報告書の発行訂正		○				発注見込み報告書	同上				
156	発注見込報告書の発行取消		○				発注見込み報告書	同上				
157	発注契約		○				発注伝票	発注台帳	○	○	○	○
158	発注契約の訂正		○				発注訂正伝票	同上	○	○	○	○
159	発注契約の取消		○				発注取消伝票	同上	○	○	○	○
160	発注契約（定期発注）		○				発注伝票（定期発注）	同上	○	○	○	○
161	発注契約（定期発注）の訂正		○				発注訂正伝票（定期発注）	同上	○	○	○	○
162	発注契約（定期発注）の取消		○				発注取消伝票（定期発注）	同上	○	○	○	○
163	発注契約（先行手配）		○				発注伝票（先行手配）	同上	○	○	○	○
164	発注契約（先行手配）の訂正		○				発注訂正伝票（先行手配）	同上	○	○	○	○
165	発注契約（先行手配）の取消		○				発注取消伝票（先行手配）	同上	○	○	○	○
166	購買商品の入荷の指示		○				入荷受入指示書	入荷受入指示台帳				
167	購買商品の入荷の訂正指示		○				入荷受入訂正指示書	同上				
168	購買商品の入荷の取消指示		○				入荷受入取消指示書	同上				
169	購買実績の報告		○				入荷伝票	入荷台帳	○	○	○	○
170	購買商品の入荷実績の訂正報告		○				入荷訂正伝票	同上	○	○	○	○
171	購買商品の入荷実績の取消報告		○				入荷取消伝票	同上	○	○	○	○
172	購買商品の入荷返品実績の報告		○				入荷返品伝票	入荷返品台帳	○	○	○	○
173	購買商品の入荷返品実績の訂正報告		○				入荷返品訂正伝票	同上	○	○	○	○
174	購買商品の入荷返品実績の取消報告		○				入荷返品取消伝票	同上	○	○	○	○
175	仕入請求確認の報告		○				仕入請求書	仕入請求確認書				
176	仕入請求確認の訂正報告		○				仕入請求書	同上				
177	仕入請求確認の取消報告		○				仕入請求書	同上				
178	仕入計上				○		仕入計上伝票	総勘定元帳	○	○	○	○
179	支払計上				○		支払計上伝票	同上	○	○	○	○
180	購買商品の入庫予定の報告			○			購買商品入庫予定伝票	購買商品入庫予定書				

[Drawing 17]

コンピュータ業務処理規格

No.	コンピュータ業務処理（業務処理最小単位基準／コンピュータ業務処理基準）	ルール設定業務	商流業務	物流業務	金流業務	製造業務	基幹業務を記録する伝票類（起票基準／画面設計基準）	基幹業務を記録する台帳・元帳類（記帳基準／データファイル設計基準）	商法基準	会計基準	税務基準	証取基準
319	製品の在庫廃棄処分等の訂正報告					○	製品在庫処分訂正伝票	同上	○	○	○	○
320	製品の在庫廃棄処分等の取消報告					○	製品在庫処分取消伝票	同上	○	○	○	○
321	製品の出庫予定の報告					○	製品出庫予定伝票	製品出庫予定書				
322	製品の出庫予定の訂正報告					○	製品出庫予定訂正伝票	同上				
323	製品の出庫予定の取消報告					○	製品出庫予定取消伝票	同上				
324	製品の出庫実績の報告					○	製品出庫伝票	製品出庫台帳	○	○	○	○
325	製品の出庫実績の訂正報告					○	製品出庫訂正伝票	製品出庫台帳	○	○	○	○
326	製品の出庫実績の取消報告					○	製品出庫取消伝票	同上	○	○	○	○
327	原料在庫計上				○		原料在庫計上伝票	総勘定元帳	○	○	○	○
328	材料在庫計上				○		材料在庫計上伝票	同上	○	○	○	○
329	部品在庫計上				○		部品在庫計上伝票	同上	○	○	○	○
330	工程原料在庫計上				○		工程原料在庫計上伝票	同上	○	○	○	○
331	工程材料在庫計上				○		工程材料在庫計上伝票	同上	○	○	○	○
332	工程部品在庫計上				○		工程部品在庫計上伝票	同上	○	○	○	○
333	製品在庫計上				○		製品在庫計上伝票	同上	○	○	○	○

[Drawing 12]

コンピュータ業務処理規格

No.	コンピュータ業務処理（業務処理最小単位基準／コンピュータ業務処理基準）	ルール設定業務	商流業務	物流業務	金流業務	製造業務	基幹業務を記録する伝票類（起票基準／画面設計基準）	基幹業務を記録する台帳・元帳類（記帳基準／データファイル設計基準）	商法基準	会計基準	税務基準	証取基準
181	購買商品の入庫予定の訂正報告			○			購買商品入庫予定訂正伝票	同上				
182	購買商品の入庫予定の取消報告			○			購買商品入庫予定取消伝票	同上				
183	購買商品の入庫実績の報告			○			購買商品入庫伝票	購買商品入庫台帳	○	○	○	○
184	購買商品の入庫実績の訂正報告			○			購買商品入庫訂正伝票	同上	○	○	○	○
185	購買商品の入庫実績の取消報告			○			購買商品入庫取消伝票	同上	○	○	○	○
186	購買商品の在庫額の報告			○			購買商品在庫額勘定伝票	購買商品在庫棚卸台帳	○	○	○	○
187	購買商品の在庫額の訂正報告			○			購買商品在庫額勘定訂正伝票	同上	○	○	○	○
188	購買商品の在庫額の取消報告			○			購買商品在庫額勘定取消伝票	同上	○	○	○	○
189	購買商品の在庫廃棄処分等の報告			○			購買商品在庫処分伝票	購買商品在庫処分台帳	○	○	○	○
190	購買商品の在庫廃棄処分等の訂正報告			○			購買商品在庫処分訂正伝票	同上	○	○	○	○
191	購買商品の在庫廃棄処分等の取消報告			○			購買商品在庫処分取消伝票	同上	○	○	○	○
192	購買商品の出庫予定の報告			○			購買商品出庫予定伝票	購買商品出庫予定書				
193	購買商品の出庫予定の訂正報告			○			購買商品出庫予定訂正伝票	同上				
194	購買商品の出庫予定の取消報告			○			購買商品出庫予定取消伝票	同上				
195	購買商品の出庫実績の報告			○			購買商品出庫伝票	購買商品出庫台帳	○	○	○	○
196	購買商品の出庫実績の訂正報告			○			購買商品出庫訂正伝票	同上	○	○	○	○
197	購買商品の出庫実績の取消報告			○			購買商品出庫取消伝票	同上	○	○	○	○
198	購買商品在庫計上				○		購買商品在庫計上伝票	総勘定元帳	○	○	○	○

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コンピュータ業務処理規格

No.	コンピュータ業務処理（業務処理最小単位基準／コンピュータ業務処理基準）	ルール設定業務	商流業務	物流業務	金流業務	製造業務	基幹業務を記録する伝票類（起票基準／画面設計基準）	基幹業務を記録する台帳・元帳類（記帳基準／データファイル設計基準）	商法基準	会計基準	税務基準	証取基準
199	製品の生産開始	○					製品生産開始伝票	製品台帳	○	○	○	○
200	製品の生産停止	○					製品生産停止伝票	同上	○	○	○	○
201	製品の生産再開	○					製品生産再開伝票	同上	○	○	○	○
202	製品の生産廃止	○					製品生産廃止伝票	同上	○	○	○	○
203	製品の生産復活	○					製品生産復活伝票					
204	生産計画の報告	○					生産計画表	生産計画表				
205	生産計画の訂正報告	○					生産計画表	同上				
206	生産計画の取消報告	○					生産計画表					
207	製造工程の登録	○					製造工程表	製造工程表	○	○	○	
208	製造工程の訂正	○					製造工程表	同上	○	○	○	
209	製造工程の取消	○					製造工程表					
210	原料の入庫予定の報告					○	原料入庫予定伝票	原料入庫予定表				
211	原料の入庫予定の訂正報告					○	原料入庫予定訂正伝票	同上				
212	原料の入庫予定の取消報告					○	原料入庫予定取消伝票	同上				
213	原料の入庫実績の報告					○	原料入庫伝票	原料入庫台帳	○	○	○	○
214	原料の入庫実績の訂正報告					○	原料入庫訂正伝票	同上	○	○	○	○
215	原料の入庫実績の取消報告					○	原料入庫取消伝票	同上	○	○	○	○
216	原料の在庫棚卸の報告					○	原料在庫棚卸伝票	原料在庫棚卸台帳	○	○	○	○
217	原料の在庫棚卸の訂正報告					○	原料在庫棚卸訂正伝票	同上	○	○	○	○
218	原料の在庫棚卸の取消報告					○	原料在庫棚卸取消伝票	同上	○	○	○	○
219	原料の在庫廃棄処分等の報告					○	原料在庫処分伝票	原料在庫処分台帳	○	○	○	○
220	原料の在庫廃棄処分等の訂正報告					○	原料在庫処分訂正伝票	同上	○	○	○	○
221	原料の在庫廃棄処分等の取消報告					○	原料在庫処分取消伝票	同上	○	○	○	○
222	原料の出庫予定の報告					○	原料出庫予定伝票	原料出庫予定表				
223	原料の出庫予定の訂正報告					○	原料出庫予定訂正伝票	同上				
224	原料の出庫予定の取消報告					○	原料出庫予定取消伝票	同上				
225	原料の出庫実績の報告					○	原料出庫伝票	原料出庫台帳	○	○	○	○
226	原料の出庫実績の訂正報告					○	原料出庫訂正伝票	同上	○	○	○	○
227	原料の出庫実績の取消報告					○	原料出庫取消伝票	同上	○	○	○	○
228	材料の入庫予定の報告					○	材料入庫予定伝票	材料入庫予定表				

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コンピュータ業務処理規格

No.	コンピュータ業務処理（業務処理最小単位基準／コンピュータ業務処理基準）	ルール設定業務	商流業務	物流業務	金流業務	製造業務	基幹業務を記録する伝票類（起票基準／画面設計基準）	基幹業務を記録する台帳・元帳類（記帳基準／データファイル設計基準）	商法基準	会計基準	税務基準	証取基準
229	材料の入庫予定の訂正報告					○	材料入庫予定訂正伝票	同上				
230	材料の入庫予定の取消報告					○	材料入庫予定取消伝票	同上				
231	材料の入庫実績の報告					○	材料入庫伝票	材料入庫台帳	○	○	○	○
232	材料の入庫実績の訂正報告					○	材料入庫訂正伝票	同上	○	○	○	○
233	材料の入庫実績の取消報告					○	材料入庫取消伝票	同上	○	○	○	○
234	材料の在庫棚卸の報告					○	材料在庫棚卸伝票	材料在庫棚卸台帳	○	○	○	○
235	材料の在庫棚卸の訂正報告					○	材料在庫棚卸訂正伝票	同上	○	○	○	○
236	材料の在庫棚卸の取消報告					○	材料在庫棚卸取消伝票	同上	○	○	○	○
237	材料の在庫廃棄処分等の報告					○	材料在庫処分伝票	材料在庫処分台帳	○	○	○	○
238	材料の在庫廃棄処分等の訂正報告					○	材料在庫処分訂正伝票	同上	○	○	○	○
239	材料の在庫廃棄処分等の取消報告					○	材料在庫処分取消伝票	同上	○	○	○	○
240	材料の出庫予定の報告					○	材料出庫予定伝票	材料出庫予定表				
241	材料の出庫予定の訂正報告					○	材料出庫予定訂正伝票	材料出庫予定表				
242	材料の出庫予定の取消報告					○	材料出庫予定取消伝票	同上				
243	材料の出庫実績の報告					○	材料出庫伝票	材料出庫台帳	○	○	○	○
244	材料の出庫実績の訂正報告					○	材料出庫訂正伝票	同上	○	○	○	○
245	材料の出庫実績の取消報告					○	材料出庫取消伝票	同上	○	○	○	○
246	部品の入庫予定の報告					○	部品入庫予定伝票	部品入庫予定表				
247	部品の入庫予定の訂正報告					○	部品入庫予定訂正伝票	同上				
248	部品の入庫予定の取消報告					○	部品入庫予定取消伝票	同上				
249	部品の入庫実績の報告					○	部品入庫伝票	部品入庫台帳	○	○	○	○
250	部品の入庫実績の訂正報告					○	部品入庫訂正伝票	同上	○	○	○	○
251	部品の入庫実績の取消報告					○	部品入庫取消伝票	同上	○	○	○	○
252	部品の在庫棚卸の報告					○	部品在庫棚卸伝票	部品在庫棚卸台帳	○	○	○	○
253	部品の在庫棚卸の訂正報告					○	部品在庫棚卸訂正伝票	同上	○	○	○	○
254	部品の在庫棚卸の取消報告					○	部品在庫棚卸取消伝票	同上	○	○	○	○
255	部品の在庫廃棄処分等の報告					○	部品在庫処分伝票	部品在庫処分台帳	○	○	○	○
256	部品の在庫廃棄処分等の訂正報告					○	部品在庫処分訂正伝票	同上	○	○	○	○
257	部品の在庫廃棄処分等の取消報告					○	部品在庫処分取消伝票	同上	○	○	○	○
258	部品の出庫予定の報告					○	部品出庫予定伝票	部品出庫予定表				

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コンピュータ業務処理規格

No.	コンピュータ業務処理 (業務処理最小単位基準／コンピュータ業務処理基準)	ルール設定業務	商流業務	物流業務	金流業務	製造業務	基幹業務を記録する伝票類 (起票基準／画面設計基準)	基幹業務を記録する台帳・元帳類 (記帳基準／データファイル設計基準)	商法基準	会計基準	税務基準	証取基準
259	部品の出庫予定の訂正報告					○	部品出庫予定訂正伝票	同上				
260	部品の出庫予定の取消報告					○	部品出庫予定取消伝票	同上				
261	部品の出庫実績の報告					○	部品出庫伝票	部品出庫台帳	○	○	○	○
262	部品の出庫実績の訂正報告					○	部品出庫訂正伝票	同上	○	○	○	○
263	部品の出庫実績の取消報告					○	部品出庫取消伝票	同上	○	○	○	○
264	原料の工程入庫予定の報告					○	原料工程入庫予定伝票	原料工程入庫予定表				
265	原料の工程入庫予定の訂正報告					○	原料工程入庫予定訂正伝票	同上				
266	原料の工程入庫予定の取消報告					○	原料工程入庫予定取消伝票	同上				
267	原料の工程入庫実績の報告					○	原料工程入庫伝票	原料工程入庫台帳	○	○	○	○
268	原料の工程入庫実績の訂正報告					○	原料工程入庫訂正伝票	同上	○	○	○	○
269	原料の工程入庫実績の取消報告					○	原料工程入庫取消伝票	同上	○	○	○	○
270	原料の工程在庫棚卸の報告					○	原料工程在庫棚卸伝票	原料工程在庫棚卸台帳	○	○	○	○
271	原料の工程在庫棚卸の訂正報告					○	原料工程在庫棚卸訂正伝票	同上	○	○	○	○
272	原料の工程在庫棚卸の取消報告					○	原料工程在庫棚卸取消伝票	同上	○	○	○	○
273	原料の工程在庫廃棄処分等の報告					○	原料工程在庫処分伝票	原料工程在庫処分台帳	○	○	○	○
274	原料の工程在庫廃棄処分等の訂正報告					○	原料工程在庫処分訂正伝票	同上	○	○	○	○
275	原料の工程在庫廃棄処分等の取消報告					○	原料工程在庫処分取消伝票	同上	○	○	○	○
276	材料の工程入庫予定の報告					○	材料工程入庫予定伝票	材料工程入庫予定表				
277	材料の工程入庫予定の訂正報告					○	材料工程入庫予定訂正伝票	同上				
278	材料の工程入庫予定の取消報告					○	材料工程入庫予定取消伝票	同上				
279	材料の工程入庫実績の報告					○	材料工程入庫伝票	材料工程入庫台帳	○	○	○	○
280	材料の工程入庫実績の訂正報告					○	材料工程入庫訂正伝票	同上	○	○	○	○
281	材料の工程入庫実績の取消報告					○	材料工程入庫取消伝票	同上	○	○	○	○
282	材料の工程在庫棚卸の報告					○	材料工程在庫棚卸伝票	材料工程在庫棚卸台帳	○	○	○	○
283	材料の工程在庫棚卸の訂正報告					○	材料工程在庫棚卸訂正伝票	材料工程在庫棚卸台帳	○	○	○	○
284	材料の工程在庫棚卸の取消報告					○	材料工程在庫棚卸取消伝票	同上	○	○	○	○
285	材料の工程在庫廃棄処分等の報告					○	材料工程在庫処分伝票	材料工程在庫処分台帳	○	○	○	○
286	材料の工程在庫廃棄処分等の訂正報告					○	材料工程在庫処分訂正伝票	同上	○	○	○	○
287	材料の工程在庫廃棄処分等の取消報告					○	材料工程在庫処分取消伝票	同上	○	○	○	○
288	部品の工程入庫予定の報告					○	部品工程入庫予定伝票	部品工程入庫予定表				

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コンピュータ業務処理規格

No.	コンピュータ業務処理 (業務処理最小単位基準／コンピュータ業務処理基準)	ルール設定業務	商流業務	物流業務	金流業務	製造業務	基幹業務を記録する伝票類 (起票基準／画面設計基準)	基幹業務を記録する台帳・元帳類 (記帳基準／データファイル設計基準)	商法基準	会計基準	税務基準	証取基準
289	部品の工程入庫予定の訂正報告					○	部品工程入庫予定訂正伝票	部品工程入庫予定表				
290	部品の工程入庫予定の取消報告					○	部品工程入庫予定取消伝票	同上				
291	部品の工程入庫実績の報告					○	部品工程入庫伝票	部品工程入庫台帳	○	○	○	○
292	部品の工程入庫実績の訂正報告					○	部品工程入庫訂正伝票	同上	○	○	○	○
293	部品の工程入庫実績の取消報告					○	部品工程入庫取消伝票	同上	○	○	○	○
294	部品の工程在庫棚卸の報告					○	部品工程在庫棚卸伝票	部品工程在庫棚卸台帳	○	○	○	○
295	部品の工程在庫棚卸の訂正報告					○	部品工程在庫棚卸訂正伝票	同上	○	○	○	○
296	部品の工程在庫棚卸の取消報告					○	部品工程在庫棚卸取消伝票	同上	○	○	○	○
297	部品の工程在庫廃棄処分等の報告					○	部品工程在庫処分伝票	部品工程在庫処分台帳	○	○	○	○
298	部品の工程在庫廃棄処分等の訂正報告					○	部品工程在庫処分訂正伝票	同上	○	○	○	○
299	部品の工程在庫廃棄処分等の取消報告					○	部品工程在庫処分取消伝票	同上	○	○	○	○
300	製品の工程出庫予定の報告					○	製品工程出庫予定伝票	製品工程出庫予定表				
301	製品の工程出庫予定の訂正報告					○	製品工程出庫予定訂正伝票	同上				
302	製品の工程出庫予定の取消報告					○	製品工程出庫予定取消伝票	同上				
303	製品の工程出庫実績の報告					○	製品工程出庫伝票	製品工程出庫台帳	○	○	○	○
304	製品の工程出庫実績の訂正報告					○	製品工程出庫訂正伝票	同上	○	○	○	○
305	製品の工程出庫実績の取消報告					○	製品工程出庫取消伝票	同上	○	○	○	○
306	生産実績の報告					○	製品生産伝票	生産実績台帳				
307	生産実績の訂正報告					○	製品生産訂正伝票	同上				
308	生産実績の取消報告					○	製品生産取消伝票	同上				
309	製品の入庫予定の報告					○	製品入庫予定伝票	製品入庫予定表				
310	製品の入庫予定の訂正報告					○	製品入庫予定訂正伝票	同上				
311	製品の入庫予定の取消報告					○	製品入庫予定取消伝票	同上				
312	製品の入庫実績の報告					○	製品入庫伝票	製品入庫台帳	○	○	○	○
313	製品の入庫実績の訂正報告					○	製品入庫訂正伝票	同上	○	○	○	○
314	製品の入庫実績の取消報告					○	製品入庫取消伝票	同上	○	○	○	○
315	製品の在庫棚卸の報告					○	製品在庫棚卸伝票	製品在庫台帳	○	○	○	○
316	製品の在庫棚卸の訂正報告					○	製品在庫棚卸訂正伝票	同上	○	○	○	○
317	製品の在庫棚卸の取消報告					○	製品在庫棚卸取消伝票	同上	○	○	○	○
318	製品の在庫廃棄処分等の報告					○	製品在庫処分伝票	製品在庫処分台帳	○	○	○	○

[Drawing 18]

コンピュータ業務処理ルール規格（受注）

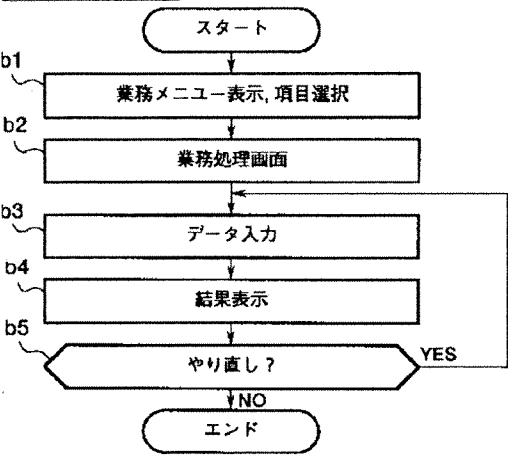| No.	業務処理ルール	業務処理ルールのロジック
1	販売取引先の確認	販売取引の相手先の取引口座開設済み検査
2	販売取引先の営業日の適否	販売取引先の取引可能日の検査
3	販売取引先の組織の確認	販売取引先の組織の取引口座開設済み検査
4	販売取引先の回収予定日の確認	販売取引先からの商品販売代金の回収予定日の確認
5	販売取引先の商品の確認	販売取引先とその商品の確認
6	販売取引先の商品受注割当数の確認	販売取引先とその商品の販売割当て数量の確認
7	販売取引先の商品数量別価格の確認および適否	販売取引先とその商品の数量別価格の検査
8	販売取引先の請求期間の確認	販売取引先の販売取引の請求単位期間
9	販売取引先の請求締め日	販売取引先の販売取引の請求締め日
10	販売取引先の与信限度額の確認と販売額の適否	販売取引の相手先別の販売限度の金額
11	販売取引先の納入先の確認	販売取引先の納入先の確認
12	販売商品の確認	販売商品と販売期間
13	販売商品の価格の確認および適否	販売商品の価格とその適用期間
14	販売商品の数量別価格の確認および適否	販売商品の販売数量別の販売価格
15	販売商品の関連商品の確認	販売商品の関連する勧め商品
16	販売商品の代替品の確認	販売商品の代替可能な商品
17	販売商品の類似品の確認	販売商品の類似商品
18	販売商品の在庫確認	販売商品の販売戦略としての開示在庫数
19	販売商品の販売ロットの確認および販売数の適否	販売商品の販売数量の最少単位
20	販売商品の納入ロットの確認および納入数の適否	販売商品の納入数量の最少単位
21	販売商品の納入所要時間の確認と納期の適否	販売商品の受注から納入までの必要時間・日数
22	販売商品の発注点の確認と定期発注の適否	販売商品の定期発注の発注開始点を決める在庫数
23	販売商品の販売計画の確認	販売商品の販売の期間と数量と金額と利益金額の計画
24	販売商品の在庫限度数の確認および在庫数の適否	販売商品の在庫の在庫上限数量
25	販売商品の在庫適正数の確認および在庫数の適否	販売商品の在庫の適正数量
26	販売代金回収の金融機関口座の確認	販売商品代金の回収金融機関口座の設定
27	担当者の販売稟議の確認および販売額の適否	担当者の販売稟議の上限金額
28	担当者の販売担当取引先の確認	担当者の販売担当の取引先の担当確認
29	担当者の販売担当商品の確認	担当者の販売担当の商品の担当確認
30	組織の販売取引先の確認	組織の担当する販売取引先の取引口座開設済み検査
31	組織の販売取引先の組織の確認	組織の担当する販売取引先の組織の取引口座開設済み検査

[Drawing 27]
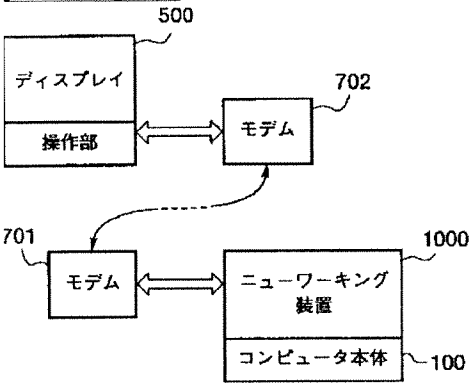
[Drawing 19]

コンピュータ業務処理ルール規格(受注)

業務処理ルールの適用項目	項目検査					演算・編集
	上限検査の適用項目	下限検査の適用項目	単位検査の適用項目	存在検査の適用項目	累計比較検査の適用項目	演算・編集の適用項目
販売取引先	—	—	—	取引先	—	—
出荷日,納入日等	—	—	—	取引先	—	—
販売取引先の組織	—	—	—	取引先,取引先組織	—	—
回収予定日	—	—	—	取引先	—	—
販売商品	—	—	—	取引先	—	—
販売数量	—	販売数量	—	取引先	—	—
販売金額	—	—	—	取引先,商品,販売数量	—	—
売上金額	売上日	売上日	—	取引先	—	—
請求日	請求日	—	—	取引先	—	—
受注金額	与信限度額	—	—	取引先	期間内の受注累計金額	—
納入先	—	—	—	取引先,納入先	—	—
販売商品	—	—	—	商品	—	—
販売商品の単価	—	—	—	商品	—	—
販売商品の単価	—	—	—	商品	—	—
販売商品	—	—	—	商品	—	—
販売商品	—	—	—	商品	—	—
販売商品の在庫数	—	—	—	商品	—	—
販売商品の販売単位数量	—	—	販売ロット	商品	—	—
販売商品の納入単位数量	—	—	納入ロット	商品	—	—
予定納入日	—	受注から納入期日までの日数	—	商品	—	—
定期発注日	—	—	—	商品	—	—
販売実績	—	在庫数	—	商品,計画期間	—	—
販売商品の在庫数	—	—	—	商品	販売商品の在庫数	—
販売商品の在庫数	—	—	—	商品	—	—
金融機関,支店,口座	—	—	—	金融機関,支店,口座	販売商品の在庫数	—
販売金額	担当者の販売金額	—	—	担当者	—	—
販売先	—	—	—	担当者,取引先	—	—
販売商品	—	—	—	担当者,商品	—	—
販売取引先	—	—	—	組織,取引先	—	—
販売取引先の組織	—	—	—	組織,取引先,取引先組織	—	—

[Drawing 20]

コンピュータ業務処理ルール規格(発注)

No.	業務処理ルール	業務処理ルールのロジック
1	購買商品の確認	購買商品の購買判定の検査
2	購買商品の基準価格の確認および購買価格の適否	購買商品の購買基準価格の検査
3	購買商品の購買計画の確認	
4	購買商品の購買上限価格の確認および購買価格の適否	購買商品の購買上限価格の検査
5	購買商品の在庫限度数の確認および在庫数の適否	購買商品の在庫の在庫上限数量
6	購買商品の理庫適正数の確認および在庫数の適否	購買商品の在庫の適正数量の検査
7	購買商品の取引先調達所要時間の確認および納期の適否	購買商品の発注から受入までの取引先必要時間・日数
8	購買商品の受入ロットの確認および納入数の適否	購買商品の受入数量の最少単位の検査
9	購買商品の調達ロットの確認および購買数の適否	購買商品の調達数量の最少単位の検査
10	購買商品の調達所要時間の確認および納期の適否	購買商品の発注から受入までの必要時間・日数
11	購買商品の発注点の確認および定期発注の適否	購買商品の定期発注の発注時点を決める在庫数の検査
12	先行手配限度額の確認および先行手配額の適否	先行見込み商品等の先行手配の限度額(安全額)
13	購買取引先の確認	購買取引の相手先の購買取引口座開設済み検査
14	購買取引先の営業日の適合	購買取引先の営業日(取引可能日)の検査
15	購買取引先の購買限度額の確認および購買額の適否	購買取引先の購買限度の上限金額の検査
16	購買取引先の支払予定日の確認	購買取引先への商品議買代金の支払予定日の検査
17	購買取引先の商品の確認	購買取引先とその商品の検査
18	購買取引先の商品発注当回数の確認	購買取引先とその商品の購買金額の確認
19	購買取引先の商品発注回数の確認	購買取引先とその商品の割当数量の確認
20	購買取引先の請求期間の確認	購買取引先の購買取引の請求単位期間
21	購買取引先の請求締め日の確認	購買取引先の購買取引の請求締めの日の検査
22	購買取引先の組織の確認	購買取引先の組織
23	購買取引先の代金支払の金融機関口座の確認	購買取引先の代金支払の金融機関口座の検査
24	担当者の購買権限の確認および購買金額の適否	担当者の購買権限の上限金額の検査
25	担当者の購買担当取引先の確認	担当者の購買担当取引先の検査
26	担当者の購買担当商品の確認	担当者の購買担当の商品の検査
27	組織の購買取引先の確認	組織の担当する購買取引先の検査
28	組織の購買取引先の組織の確認	組織の担当する購買取引先の組織の検査

[Drawing 25]

```
        スタート
          │
b1 ─ 業務メニュー表示, 項目選択
          │
b2 ─ 業務処理画面
          │
b3 ─ データ入力
          │
b4 ─ 結果表示
          │
b5 ─ やり直し？ ── YES
          │ NO
        エンド
```

[Drawing 26]

```
        スタート
          │
c1 ─ 業務ルール変更キー
          │
c2 ─ パスワード入力
          │
c3 ─ 準備メニュー表示, 項目選択
          │
c4 ─ 業務ルール設定画面
          │
c5 ─ 条件データ入力
          │
        エンド
```

[Drawing 21]

コンピュータ業務処理ルール規格　（発注）

業務処理ルールの適用項目	項目検査					演算・編集
	上限検査の適用項目	下限検査の適用項目	単位検査の適用項目	存在検査の適用項目	累計比較の適用項目	演算・編集の適用項目
購買商品	-	-	-	取引先,取引先組織	-	-
購買商品の単価	-	-	-	商品	-	-
購買実績	-	-	-	商品,購買期間	-	-
購買商品の単価	-	-	-	商品	-	-
購買商品の発注数	在庫誤差数	-	-	商品	購買商品の在庫数	-
購買商品の発注数	在庫適正数	在庫適正数	-	商品	購買商品の在庫数	-
入荷日	-	調達所要時間	-	商品	-	-
発注数量	-	-	受入ロット	商品	-	-
発注数量	-	-	調達ロット	商品	-	-
入荷日	-	調達所要時間	-	商品	-	-
発注日	-	在庫数	-	商品	-	-
発注数量	受注見込額と先行手配	-	-	受注見込	-	-
発注先	-	-	-	取引先	-	-
納入日,受入日,支払日等	-	-	-	取引先	-	-
発注金額	-	-	-	取引先	対象期間の発注累計数量	-
支払日	購買限度金額	-	-	取引先	-	-
購買取引先の商品	-	-	-	取引先,商品	-	-
発注金額	-	購買割当金額	-	取引先,商品	対象期間の発注累計金額	-
発注数量	-	購買割当金額	-	取引先,商品	対象期間の発注累計数量	-
請求金額	請求日	請求日	-	取引先	-	-
請求日	請求日	-	-	取引先	-	-
購買取引先の組織	-	-	-	取引先	-	-
支払金融機関口座	-	-	-	取引先,金融機関,支店,口座番号	-	-
購買金額	担当者の購買金額	-	-	担当者	-	-
購買先	-	-	-	担当者,取引先	-	-
購買商品	-	-	-	担当者,商品	-	-
購買取引先	-	-	-	組織,取引先	-	-
購買取引先の組織	-	-	-	組織,取引先,取引先組織	-	-

[Drawing 28]

[Drawing 29]

〔A〕

伝票1
伝票2
伝票3
500
操作部
501

〔B〕

伝票
500
操作部
501
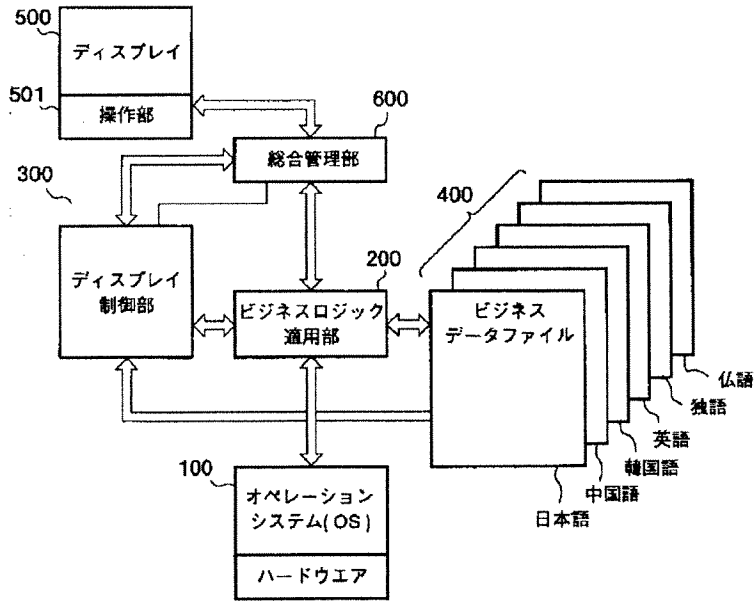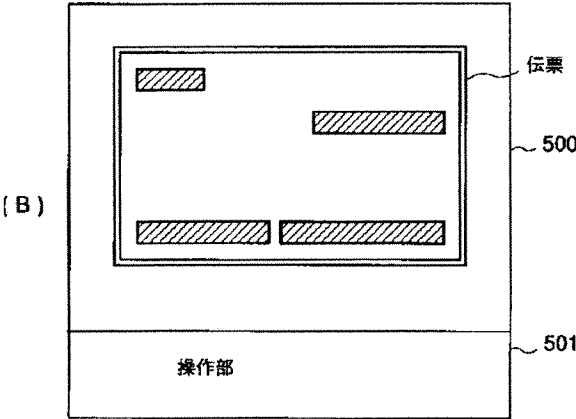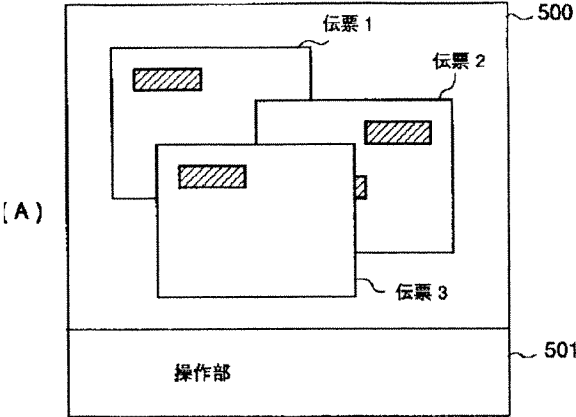
[Drawing 30]

存在チェック

（A）

購売取引先の記述				
取引先コード	取引先名	取引開始日	取引終了日	適用停止
0100	A社	91／01／10	00／00／00	
0200	B社	92／08／08	93／01／20	
0300	C社	93／07／07	00／00／00	
0400	D社	92／05／05	00／00／00	
0500	E社	94／07／09	00／00／00	

［設定画面］　　　　　　　　　　発注取引先として存在するのでOK

（B）

受　注

発注NO.0501	発注担当者　D氏
発注日　95／06／06	取引先コード　0300　C社

商品コード　4531213　　　　　　商品名　ABC装置

・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・

・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・

［適用画面］

[Drawing 31]

上限チェック

（A）

担当者の販売金額権限				
担当者コード　95010				
適用開始日	適用終了日	販売金額権限	適用停止	
95／04／01	96／03／31	500,000		
96／04／01	97／03／31	700,000		
97／04／01	00／00／00	1,000,000		

〔設定画面〕　　　　　　　　（700,000以下なのでOK）

（B）

受　注				
発注NO.970509		発注担当者コード　95010		
発注日　97／01／30		取引先　X社		
商品コード	商品名	数量	単価	金額
0100	ABC装置	10	100	1000
0200	XYZ装置	10	150	1500
			合計金額	2,500

〔適用画面〕

[Drawing 32]

下限チェック

（A）

商品納入所要日数の記述				
商品コード　4531213　　商品名　ABC装置				
適用開始日	適用終了日	納入所要日数	適用停止	
94／04／01	95／03／31	5		
95／04／01	96／03／31	4		
96／04／01	97／03／31	3		
97／04／01	00／00／00	2		

〔設定画面〕　　　　　　　　受注日＋2日より納入期日
　　　　　　　　　　　　　　が大きいのでOK

（B）

受　注	
発注NO.01040	取引先　Z社
発注日　97／07／07	納入期日　97／07／10
商品コード　4531213	商品名　　ABC装置
数量　100　　　　単価　95　　　　金額　9,500	

〔適用画面〕

[Drawing 33]

単位チェック

（A）

商品の販売セット				
商品コード　4531213		商品名　ABC装置		
適用開始日	適用終了日	販売セット	適用停止	
95／04／01	96／03／31	10		
96／04／01	97／03／31	50		
97／04／01	00／00／00	100		

［設定画面］　　　　　　　　　　　（50の倍数なのでOK）

（B）

受　　注	
発注NO.01030	受注担当者　B氏
発注日　97／03／03	取引先　X社
商品コード　4531213	商品名　　ABC装置
数量　100	単価　　95
	金額　　9,500

［適用画面］

[Drawing 34]

編集

【A】

数量別の商品単価の記述					
商品コード　4531213			商品名　ABC装置		
適用開始日	適用終了日	数量範囲		単価	適用停止
97／04／01	00／00／00	0	99	100	
97／04／01	00／00／00	100	199	95	
97／04／01	00／00／00	200	299	90	
97／04／01	00／00／00	200	399	85	

［設定画面］

単価90が該当するので
これを画面に編集して値を設定

【B】

受　注		
発注NO.01020	受注担当者　A氏	
発注日　97／06／01	取引先　X社	
商品コード　4531213	商品名	ABC装置
数量　250　個	単価	90　円
	金額	22,500円

［適用画面］

[Translation done.]